



**PLANIT**  
TEACHERS

## English for IT Programmers: Enhancing Technical Vocabulary and Reading Comprehension

---

**Student Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

**Due Date:** \_\_\_\_\_

### Introduction

Welcome to this homework assignment, designed to support your learning objectives in the Language Arts subject area, specifically tailored for IT programmers aged 25-45 years. This assignment aims to enhance your understanding and usage of basic vocabulary related to programming and IT, improve your reading comprehension of technical texts, and apply basic grammar structures such as present simple and present continuous in programming contexts.

## Activity 1: Vocabulary Building

**Matching:** Match the following programming-related vocabulary words with their definitions:

- Algorithm
- Bug
- Cloud Computing
- Database
- Debugger

**Definitions:**

1. A set of instructions used to solve a problem or perform a task
2. An error or flaw in the code
3. A model of delivering computing services over the internet
4. A collection of organized data
5. A tool used to identify and fix errors in the code

**Fill in the Blanks:** Complete the sentences with the appropriate vocabulary word:

1. The programmer spent hours trying to fix the \_\_\_\_\_ in the code.
2. The company uses \_\_\_\_\_ to store and manage their data online.

## Activity 2: Reading Comprehension

**Read the provided text on "Introduction to Artificial Intelligence in Programming" and answer the following questions:**

Artificial intelligence (AI) is a field of study that focuses on creating intelligent machines that can perform tasks that typically require human intelligence. The primary goal of AI in programming is to create systems that can learn, reason, and interact with their environment. AI contributes to the development of smarter systems by enabling them to adapt to new situations, make decisions, and improve their performance over time.

1. What is the primary goal of artificial intelligence in programming?
2. How does AI contribute to the development of smarter systems?

### Activity 3: Grammar Practice

**Present Simple and Present Continuous:** Complete the sentences with the correct form of the verb in parentheses, using either the present simple or present continuous tense:

1. By the time I \_\_\_\_\_ (finish) this project, I will have worked on it for six months.
2. She \_\_\_\_\_ (develop) a new app for mobile devices.

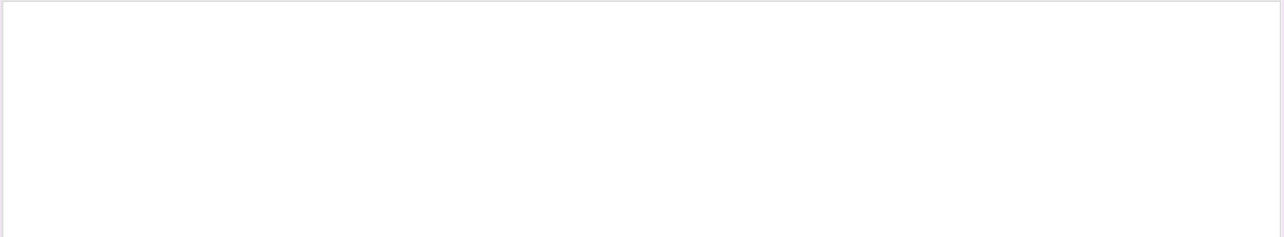
**Grammar Rules:**

- Present simple: used to describe habits, routines, and general truths
- Present continuous: used to describe actions that are happening now or are temporary

#### Activity 4: Case Study

**Real-World Application:** Choose a recent technology news article and analyze how the concepts learned in class (vocabulary, grammar, and reading comprehension) are applied in real-world scenarios.

**Reflective Journaling:** Write a short reflective journal entry on what you learned from the case study, focusing on any challenges faced and how you overcame them.

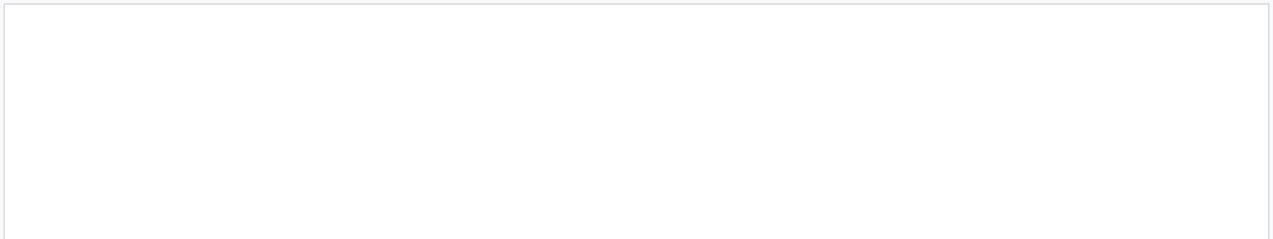


## Activity 5: Vocabulary Expansion

**Word Search:** Find and circle the following programming-related vocabulary words in the word search puzzle:

- Code
- Debug
- Algorithm
- Database
- Cloud

``AELMORTCAEHLOITCLOUDDATABASEDEBUGALGORITHMTECHNOLOGYC  
ODERTCAEHLOITCLOUDATABASEDEBUGALGORITHMMCLOUDCODEHLOITCL  
OUDTECH``



## Activity 6: Reading Comprehension

**Read the provided text on "The Importance of Cybersecurity in IT" and answer the following questions:**

Cybersecurity is a critical aspect of IT that focuses on protecting computer systems, networks, and sensitive information from unauthorized access, use, disclosure, disruption, modification, or destruction. The primary concern of cybersecurity in IT is to prevent cyber threats, such as hacking, phishing, and malware attacks. Individuals can protect themselves from cyber threats by using strong passwords, keeping their software up-to-date, and being cautious when clicking on links or downloading attachments.

1. What is the primary concern of cybersecurity in IT?
2. How can individuals protect themselves from cyber threats?

## Activity 7: Grammar Practice

**Error Analysis:** Identify and correct the grammatical errors in the following sentences:

1. The programmer are working on a new project.
2. The company have developed a new app.

**Grammar Rules:**

- Subject-verb agreement: the subject and verb must agree in number (singular or plural)
- Verb tense consistency: the verb tense must be consistent throughout the sentence

## Success Criteria

Demonstrate an understanding of basic programming and IT vocabulary.

Show improvement in reading comprehension of technical texts.

Correctly apply basic grammar structures (present simple and present continuous) in programming contexts.

Complete all activities within the allocated time frame (30-45 minutes).

Reflect on your learning process and self-assess your understanding.

## Parent/Guardian Notes

Encourage the use of a dictionary or online resources to look up unfamiliar vocabulary.

Assist in creating a quiet and distraction-free environment for the reading comprehension activity.

Review the grammar rules for present simple and present continuous tenses if necessary.

Discuss the case study findings with the learner, exploring real-world applications and challenges.

**Active Learning:** Engage actively with the material by summarizing key points in your own words.

**Time Management:** Allocate your time wisely, ensuring each activity is completed within the suggested timeframe.

**Self-Assessment:** Regularly reflect on your understanding and adjust your learning strategy as needed.

**Seek Help:** Don't hesitate to reach out to your instructor or peers if you encounter any difficulties.

## Activity 8: Project Planning

**Project Proposal:** Develop a proposal for a programming project that incorporates the concepts learned in this course, including vocabulary, grammar, and reading comprehension.

**Project Requirements:**

- Clearly define the project objective and scope
- Identify the target audience and their needs
- Outline the technical requirements and resources needed
- Develop a project timeline and milestones

## Activity 9: Peer Review

**Peer Review Guidelines:** Review a peer's project proposal and provide constructive feedback on the following aspects:

- Clarity and coherence of the proposal
- Technical feasibility and resource allocation
- Adherence to project requirements and scope
- Overall presentation and professionalism

**Feedback Form:**

1. What are the strengths of the proposal?
2. What are the weaknesses of the proposal?
3. What suggestions do you have for improvement?

## Activity 10: Reflection and Evaluation

**Reflective Journaling:** Write a reflective journal entry on your learning experience throughout this course, focusing on:

- What you learned and how you applied it
- Challenges faced and how you overcame them
- What you would do differently in the future

**Self-Assessment Rubric:**

1. Did you achieve the learning objectives?
2. How would you rate your understanding of the course material?
3. What areas do you need to improve on?

## Conclusion

By completing this course, you have demonstrated your ability to understand and apply basic programming and IT vocabulary, improve your reading comprehension of technical texts, and correctly apply basic grammar structures in programming contexts.

Remember to continue practicing and reinforcing your skills to become proficient in English for IT programming.

### Recommended Textbooks:

- "English for IT" by [Author]
- "Programming and IT Vocabulary" by [Author]

### Online Resources:

- [Website URL]
- [Website URL]

## Glossary

**Algorithm:** A set of instructions used to solve a problem or perform a task

**Cloud Computing:** A model of delivering computing services over the internet

**Database:** A collection of organized data

**Debugger:** A tool used to identify and fix errors in the code

**Answer Key:** Answers to activities and quizzes throughout the course

1. Activity 1: Vocabulary Building
2. Activity 2: Reading Comprehension





**PLANIT**  
TEACHERS

## English for IT Programmers: Enhancing Technical Vocabulary and Reading Comprehension

**Student Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

**Due Date:** \_\_\_\_\_

### Introduction

Welcome to this homework assignment, designed to support your learning objectives in the Language Arts subject area, specifically tailored for IT programmers aged 25-45 years. This assignment aims to enhance your understanding and usage of basic vocabulary related to programming and IT, improve your reading comprehension of technical texts, and apply basic grammar structures such as present simple and present continuous in programming contexts.

## Activity 1: Vocabulary Building

**Matching:** Match the following programming-related vocabulary words with their definitions:

- Algorithm
- Bug
- Cloud Computing
- Database
- Debugger

**Definitions:**

1. A set of instructions used to solve a problem or perform a task
2. An error or flaw in the code
3. A model of delivering computing services over the internet
4. A collection of organized data
5. A tool used to identify and fix errors in the code

**Fill in the Blanks:** Complete the sentences with the appropriate vocabulary word:

1. The programmer spent hours trying to fix the \_\_\_\_\_ in the code.
2. The company uses \_\_\_\_\_ to store and manage their data online.

## Activity 2: Reading Comprehension

**Read the provided text on "Introduction to Artificial Intelligence in Programming" and answer the following questions:**

Artificial intelligence (AI) is a field of study that focuses on creating intelligent machines that can perform tasks that typically require human intelligence. The primary goal of AI in programming is to create systems that can learn, reason, and interact with their environment. AI contributes to the development of smarter systems by enabling them to adapt to new situations, make decisions, and improve their performance over time.

1. What is the primary goal of artificial intelligence in programming?
2. How does AI contribute to the development of smarter systems?

### Activity 3: Grammar Practice

**Present Simple and Present Continuous:** Complete the sentences with the correct form of the verb in parentheses, using either the present simple or present continuous tense:

1. By the time I \_\_\_\_\_ (finish) this project, I will have worked on it for six months.
2. She \_\_\_\_\_ (develop) a new app for mobile devices.

**Grammar Rules:**

- Present simple: used to describe habits, routines, and general truths
- Present continuous: used to describe actions that are happening now or are temporary

#### Activity 4: Case Study

**Real-World Application:** Choose a recent technology news article and analyze how the concepts learned in class (vocabulary, grammar, and reading comprehension) are applied in real-world scenarios.

**Reflective Journaling:** Write a short reflective journal entry on what you learned from the case study, focusing on any challenges faced and how you overcame them.

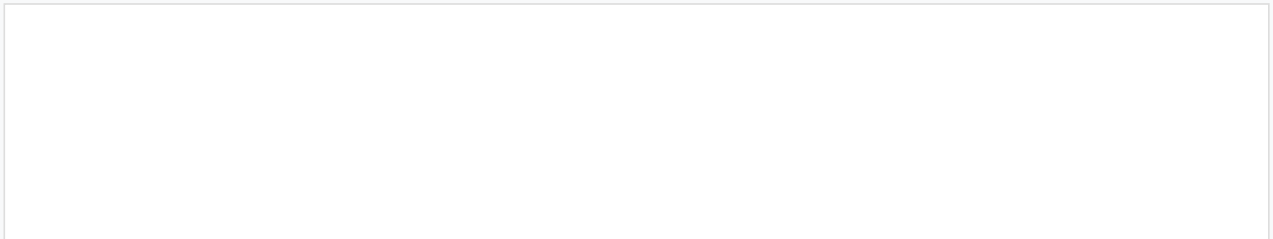


## Activity 5: Vocabulary Expansion

**Word Search:** Find and circle the following programming-related vocabulary words in the word search puzzle:

- Code
- Debug
- Algorithm
- Database
- Cloud

``AELMORTCAEHLOITCLOUDDATABASEDEBUGALGORITHMTECHNOLOGYC  
ODERTCAEHLOITCLOUDATABASEDEBUGALGORITHMMCLOUDCODEHLOITCL  
OUDTECH``



## Activity 6: Reading Comprehension

**Read the provided text on "The Importance of Cybersecurity in IT" and answer the following questions:**

Cybersecurity is a critical aspect of IT that focuses on protecting computer systems, networks, and sensitive information from unauthorized access, use, disclosure, disruption, modification, or destruction. The primary concern of cybersecurity in IT is to prevent cyber threats, such as hacking, phishing, and malware attacks. Individuals can protect themselves from cyber threats by using strong passwords, keeping their software up-to-date, and being cautious when clicking on links or downloading attachments.

1. What is the primary concern of cybersecurity in IT?
2. How can individuals protect themselves from cyber threats?

## Activity 7: Grammar Practice

**Error Analysis:** Identify and correct the grammatical errors in the following sentences:

1. The programmer are working on a new project.
2. The company have developed a new app.

**Grammar Rules:**

- Subject-verb agreement: the subject and verb must agree in number (singular or plural)
- Verb tense consistency: the verb tense must be consistent throughout the sentence

## Success Criteria

Demonstrate an understanding of basic programming and IT vocabulary.

Show improvement in reading comprehension of technical texts.

Correctly apply basic grammar structures (present simple and present continuous) in programming contexts.

Complete all activities within the allocated time frame (30-45 minutes).

Reflect on your learning process and self-assess your understanding.

## Parent/Guardian Notes

Encourage the use of a dictionary or online resources to look up unfamiliar vocabulary.

Assist in creating a quiet and distraction-free environment for the reading comprehension activity.

Review the grammar rules for present simple and present continuous tenses if necessary.

Discuss the case study findings with the learner, exploring real-world applications and challenges.

**Active Learning:** Engage actively with the material by summarizing key points in your own words.

**Time Management:** Allocate your time wisely, ensuring each activity is completed within the suggested timeframe.

**Self-Assessment:** Regularly reflect on your understanding and adjust your learning strategy as needed.

**Seek Help:** Don't hesitate to reach out to your instructor or peers if you encounter any difficulties.

**Congratulations on completing your homework assignment!**