

Python Programming Worksheet

Introduction

Welcome to the Python Programming Worksheet! This worksheet is designed to help you learn the basics of Python programming and have fun while doing it. In this worksheet, you will find a series of questions and activities that will help you understand the concepts of Python programming. So, let's get started!

Variables and Data T	ypes
	thon? A variable is a name given to a value. What are the different data types in String, List, Tuple, Dictionary
	able named "name" and assign it the value "John". What is the data type of the variab
name"?	

		,		is used to execute a statements in Pythor	
	, , ,	that prints "Hello	, World!" if the use	er's name is "John". U	lse an if statement
heck the user	's name.				

Loops				
	n Python? A loop is used es of loops in Python? F		code for a specified num	ber of times. What are
Exercise: Write	Python program that p	rints the numbers fr	om 1 to 10 using a for loo	0.

n? A function is a block of code that can be called multiple times from difference you define a function in Python? Using the def keyword
named "greet" that takes a name as an argument and prints "Hello, !"
do

	et in Python? A list is a concept of the confection of items that			ype. What is a tuple in Pyth
xercise: Cı	eate a list of fruits and	rint the first item in	n the list. Create a tunle	of numbers and print the
	n in the tuple.			
			The list. Oreate a taple	or numbers and print the

Dictionaries	
What is a diction dictionary? Usin	nary in Python? A dictionary is a collection of key-value pairs. How do you access a value in a g the key
Exercise: Create	a dictionary of names and ages and print the age of a person named "John".

Object-Oriented	I Programming
	ented programming in Python? Object-oriented programming is a way of organizing code classes. What is a class in Python? A class is a blueprint for creating objects.
Exercise: Define a	class named "Person" with attributes "name" and "age" and methods "greet" and "get_age

Practice Questions	
Here are some practice questions to help you review what you have learned:	
 What is the syntax for printing a string in Python? What is the difference between a list and a tuple in Python? How do you define a function in Python? What is a dictionary in Python? How do you access a value in a dictionary? 	

Conclusion

Congratulations! You have completed the Python Programming Worksheet. We hope you had fun learning the basics of Python programming. Remember, practice makes perfect, so keep practicing and soon you will become a proficient Python programmer!