Assessment 2 Data Types in Python: - Strings

Question 1

Determine the output of the following program without running

the code:

name1 = ‘Jamie’

print (name1)

name 2 = ‘Aaron'. upper ()

print (name2)

message = ‘The names are %s and %s.' %(name1, name2)

print(message)

Question 2

Assign the strings "Python'; 'Java" and "C\*' to three variables

lang1, lang2 and lang3 respectively.

Use the three variables and the % operator to generate the

following strings:

The most popular programming languages are Python, Java and

C#.

The most popular programming languages are Python, C# and

Java.

Assign the new strings to message1 and message2 respectively

and print the values of message1 and message2.

Question 3

Determine the output of the following program

the code:

num = 12

message = ‘%d’ %(num)

print (message)

message = ‘%4d’ %(num)

print (message)

Question 4

Determine the output of the following program without running

the code:

decnum=1.72498329745

message = %5.3f' % (decnum)

print (message)

message = %7.2f' % (decnum)

print (message)

Question 5

Assign the values 111 and 13 to two variables p and q

respectively.

Divide p by q and assign the result to a variable called result.

Use the three variables and the % operator to generate the

following string:

The result of 111 divided by 13 is 8.538, correct to 3 deci

places.

Assign the string to a variable called message and print the value of message.

Question 6

Determine the output of the following program without running

the code:

message = 'My name is ( ) and I am ( ) years old. '.format ('Jamie', 31)

print (message)

Question 7

Determine the output of the following program without running

the code:

message1 = 'My favorite colors are { }, { } and { }.’. format ('orange',

'blue', 'black')

message2 ='My favorite colors

are { 1},{0} and {2} .'. format ('orange''blue', 'black')

print(message1)

print(message2)

Question 8

Assign the strings ‘Amaka, ‘Bola and ‘Ahmed’ to three

variables student1, student2 and student3 respectively

Use the three variables and the format () method to generate the

following string:

My best friends are Aaron, Beck and Carol.

Assign the new string to a variable called message and print the

value of message.

Question 9

Determine the output of the following program without rumang

the code:

message1 = " {:7.2f} and {:d}'. format (21.3124, 12)

message2 = 1{1} and {0} ' . format (21.3124, 12)

Print (message1)

Print (message2)

print (messagel)

print (message2)

Question 10

Assign the values 12 and 7 to two variables x and y respectively.

Divide x by y and assign the result to a variable called quotient.

Use the format () method and the variables x, y and quotient to generate the following string:

*The result of 12 divided by 7 is 1.7143, correct to 4 decimal*

*places.*

Assign the string to a variable called message and print the value

of message.