

Python Beginner Homework 2

In the following multiple choice questions, please circle the correct output of Python code.

1. num1=3

num2=3

for i in range(0,4,1):

num3=num1+num2

print(num3)

num1=num2

num2=num3

(a) 6 9 12 15 (b) 6 12 18 24 (c) 6 12 24 48 (d) 6 9 15 24 (e) ~~6 12 24 48 96~~

6, 9, 12, 15

2. num1=3

num2=3

for i in range(0,4,1):

num3=num1+num2

print(num3)

num2=num3

num1=num2

(a) 6 9 12 15 (b) 6 12 18 24 (c) 6 12 24 48 (d) ~~6 9 15 24~~ (e) ~~6 12 24 48 96~~

6, 12,

3. num1=10

num2=8

for i in range(0,4,1):

num3=num1-num2

print(num3)

num2=num3

num1=num2

(a) 2 4 6 8 (b) 2 6 -4 10 (c) 2 -2 2 -2 (d) ~~2 3 4 5~~ (e) ~~2 2 2 2~~

2, 6, -4

Coding question 1:

Generate sum-3 fibanoci numbers (each number is sum of last 3 numbers), and output should be 1,1,1,3,5,9,17,31,57

num1 = 1
num2 = 1
num3 = 1
num4 = num1 + num2 + num3
print(num4)

sum = num1 + num2 + num3
for i in range(0,5,1):
num1 = num2
num2 = num3
num3 = num4
num4 = num1 + num2 + num3
print(num4)
sum = sum + num4

Coding question 2:

Calculate sum of first 10 those numbers in coding question 1. (answer is 230)