

Python Beginner Homework 4

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

1. for num in range(1,10,2):

if num%3==0:

print(num)

- (a) 1 2 3 (b) 3 9 (c) 0 1 2 3 (d) 1 3 5 7 9 (e) 3 2 1 0 -1

2. for num1 in range(10,0,-3):

if num1<5:

print(num1)

- (a) 5 3 1 (b) 5 4 3 2 1 (c) 4 3 2 1 (d) 1 4 (e) 4 1

3. for num1 in range(20,0,-5):

if num1%2==0:

print(num1)

- (a) 20 15 10 5 0 (b) 20 15 10 5 (c) 20 10 0 (d) 20 10 (e) 0 10 20

4. for num1 in range(0,5,2):

for num2 in range(num1, 4):

if num2%2==0:

print(num2)

- (a) 0 1 2 1 2 3 (b) 1 2 3 2 3 4 (c) 0 2 4 2 4 (d) 0 2 2 (e) 0 2 4 2 4

5. for num1 in range(0,3,1):

for num2 in range(num1, 3, 1):

if (num1+num2)>1:

print(num1+num2)

- (a) 2 2 3 4 (b) 2 3 2 3 4 (c) 2 2 3 (d) 2 2 (e) 2 2 4

Coding question 1: Print out all even Fibanoci numbers among first 20 Fibanoci numbers. Output should be 2 8 34 144 610 2584.

Coding question 2: Print out all factors of number 100. Output should be 1 2 4 5 10 20 25 50 100.

Coding question 3: Get an input number and print out all factors of that number.