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Java Beginner Homework 1

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

1. for i in range(2,5,1):
        print(i)
    (a) 2,3,4,5   (b) 2,3,4   (c) 3,4,5   (d) print nothing   (e) 4,3,2

2. for i in range(5,2,1):
        print(i);
    (a) 2,3,4,5   (b) 2,3,4   (c) 3,4,5   (d) print nothing   (e) 4,3,2

3. for i in range(5,2,-1):
        print(i)
    (a) 5,4,3,2   (b) 2,3,4   (c) 5,4,3   (d) print nothing   (e) 4,3,2

4. for i in range(2,10,3):
        print(i)
    (a) 2,3,4,5,6,7,8,9   (b) 2,5,8   (c) 2,4,6,8,10   (d) print nothing   (e) 2,4,6,8

5. sum = 0
    for i in range(2,10,3):   2+5+8 ?
        sum=sum+i
    print(sum)
    (a) 54   (b) 21   (c) 55   (d) 15   (e) 60

6. sum = 0
    for i in range(2,10,3):   9+7+10 ?
        sum=sum+i+2
    print(sum)
    (a) 54   (b) 21   (c) 55   (d) 15   (e) 60

7. char1 = 'a'
   for i in range(0,3,1):   *0,1,2*
      char1=char1+"abc"
   print(char1)
   (a) abcabcabc   (b) aabcabc   (c) aabcabcabc   (d) aaaa   (e) aabc

Coding question 1:

5+10+15+20+...+ 100 (answer should be 1050)

```
sum = 0
for i in range (5,101,5):
    sum = sum +i
print (sum)
```

Coding question 2:

Factorial 1*2*3*4*5*6 (answer should be 720)

```
sum = 1
for i in range(1,7,1):
    sum = sum*i
print (sum)
```

Coding question 3:

Calculate 1-2+3-4+5-6+7....-200 (answer should be -100)

```
sum = 0
for i in range (1,200,2):
    sum = sum +i
for v in range (2,201,2):
    sum = sum + v
print (sum)
```