

What value is printed for the loop variable when the code shown below runs?

```
int loop = 0;  
while (loop <= 10) {  
    loop++;  
    System.out.println(loop);  
}
```

- A. 0 to 9
- B. 0 to 10
- C. 1 to 10
- D. 1 to 11
- E. Will not compile!

While Loops

What value is printed for the loop variable when the code shown below runs?

```
int loop = 0;  
while (loop <= 10) {  
    loop++;  
    System.out.println(loop);  
}
```

A. 0 to 9

B. 0 to 10

C. 1 to 10

D. 1 to 11

E. Will not compile!

While Loops

What value is printed for the loop variable when the code shown below runs?

```
int loop =0;
while (loop <= 10) {
    loop++;
}
System.out.println(loop);
```

- A. 9
- B. 10
- C. 11
- D. 12
- E. Will not compile!

While Loops

What value is printed for the loop variable when the code shown below runs?

```
int loop =0;
while (loop <= 10) {
    loop++;
}
System.out.println(loop);
```

- A. 9
- B. 10
- C. 11
- D. 12
- E. Will not compile!

While Loops

How many times will the body of the 'do while' loop execute?

```
byte loop = -1;  
do {  
    loop++;  
} while (loop < 0);
```

- A. 0 times
- B. 1 time
- C. 2 times
- D. 128 times
- E. Infinite loop!

Do While Loops

How many times will the body of the 'do while' loop execute?

```
byte loop = -1;  
do {  
    loop++;  
} while (loop < 0);
```

- A. 0 times
- B. 1 time**
- C. 2 times
- D. 128 times
- E. Infinite loop!

Do While Loops

How many times will the body of the 'do while' loop execute?

```
byte loop = 0;  
do {  
    loop++;  
} while (loop > 0);
```

- A. 0 times
- B. 1 time
- C. 2 times
- D. 128 times
- E. Infinite loop!

Do While Loops

How many times will the body of the 'do while' loop execute?

```
byte loop = 0;  
do {  
    loop++;  
} while (loop > 0);
```

- A. 0 times
- B. 1 time
- C. 2 times
- D. 128 times
- E. Infinite loop!

Do While Loops

What will the code shown below print to the console?

```
System.out.println(  
    Character.isDigit('A') + "," +  
    Character.isLetter('z') + "," +  
    Character.isLowerCase('&') + "," +  
    Character.isLetter("5A%".charAt(1));
```

- A. true,false,true,false
- B. false,true,false,true
- C. false,true,false,false
- D. false,true,true,true

Character
Wrapper

What will the code shown below print to the console?

```
System.out.println(  
    Character.isDigit('A') + "," +  
    Character.isLetter('z') + "," +  
    Character.isLowerCase('&') + "," +  
    Character.isLetter("5A%".charAt(1));
```

- A. true,false,true,false
- B. **false,true,false,true**
- C. false,true,false,false
- D. false,true,true,true

Character
Wrapper

What are the values of the double and integer after the code shown below executes?

```
String myString = "1.234";  
double myDouble = Double.parseDouble(myString);  
int myInteger = Integer.parseInt(myString);
```

- A. 1.234, 0
- B. 1.234, 1
- C. 1.234, 2
- D. Program gets an exception!

What are the values of the double and integer after the code shown below executes?

```
String myString = "1.234";  
double myDouble = Double.parseDouble(myString);  
int myInteger = Integer.parseInt(myString);
```

- A. 1.234, 0
- B. 1.234, 1
- C. 1.234, 2
- D. **Program gets an exception!**

How many lines does the nested loop shown below print?

```
for (int row = 0; row < 10; row += 2) {  
    for (int col = 0; col < 50; col += 10) {  
        System.out.println(row + "," + col) ;  
    }  
}
```

- A. 20 times
- B. 25 times
- C. 36 times
- D. 500 times
- E. Different each time it runs!

Nested Loops

How many lines does the nested loop shown below print?

```
for (int row = 0; row < 10; row += 2) {  
    for (int col = 0; col < 50; col += 10) {  
        System.out.println(row + "," + col) ;  
    }  
}
```

- A. 20 times
- B. 25 times
- C. 36 times
- D. 500 times
- E. Different each time it runs!

Nested Loops

Which of the following correctly prints the entire contents of the string?

```
String s = "Programming is fun!";
```

- A.

```
for (int i=1; i< s.length(); i++)  
    System.out.print(s.charAt(i));
```
- B.

```
for (int i=1; i<= s.length(); ++i)  
    System.out.print(s.charAt(i));
```
- C.

```
for (int i=0; i<= s.length(); i++)  
    System.out.print(s.charAt(i));
```
- D.

```
for (int i=0; i< s.length(); ++i)  
    System.out.print(s.charAt(i));
```

String
Enumeration

Which of the following correctly prints the entire contents of the string?

```
String s = "Programming is fun!";
```

- A.

```
for (int i=1; i< s.length(); i++)  
    System.out.print(s.charAt(i));
```
- B.

```
for (int i=1; i<= s.length(); ++i)  
    System.out.print(s.charAt(i));
```
- C.

```
for (int i=0; i<= s.length(); i++)  
    System.out.print(s.charAt(i));
```
- D.

```
for (int i=0; i< s.length(); ++i)  
    System.out.print(s.charAt(i));
```

String
Enumeration

What is the last thing printed by the 'for' loop shown below?

```
for (String s = "Hello"; s.length() <= 10; s += "!") {  
    System.out.println(s);  
}
```

- A. Hello
- B. Hello!
- C. Hello!!!!
- D. !!!!!
- E. None of the above

String Loops

What is the last thing printed by the 'for' loop shown below?

```
for (String s = "Hello"; s.length() <= 10; s += "!") {  
    System.out.println(s);  
}
```

- A. Hello
- B. Hello!
- C. Hello!!!!
- D. !!!!!
- E. None of the above

String Loops