Module 4 practice quiz on IF statements

Practice Quiz, 8 questions

✔ **Congratulations! You passed!**

Next Item

1. What is the truth value of the following expression?

(-8 >= 9) || (14 > 2)

1 / 1 point

○ True

Correct

○ False

---

2. What is the truth value of the following expression?

(5 > 0) && (7 > 0)

1 / 1 point

○ True

Correct

○ False

---

3. What is the truth value of the following expression?

(8 != 7) && (4 > 4)

1 / 1 point

○ True

○ False

Correct

---

4. What is the truth value of the following expression?

1 / 1
point

!(8 >= 2*3) || (7 >= 11)

○ True

◉ False

Correct

---

5. What is the output for the following code segment?

1 / 1
point

```
1  int x = 10;
2  int y = 27;
3  if (x > y){
4      x = x + y;
5  }
6  Out.print(x);
```

○ 20

◉ 10

Correct

○ 27

○ 37

---

6. What is the output of the following code?

1 / 1
point

```
1   int age = 23;
2   if (age >= 55){
3      Out.println("Your cost is discounted by 10%");
4   }
5   if (age >= 21){
6      Out.println("You can purchase a wristband for $10");
7   }
8   if (age >= 16){
9      Out.println("Your cost is discounted by 15%");
10  }
11  else{
12     Out.println("You may enter for free");
13  }
```

○
```
1    You can purchase a wristband for $10
2    Your cost is discounted by 15%
3    You may enter for free
```

○
```
1    You can purchase a wristband for $10
```

○
```
1    Your cost is discounted by 10%
2    You can purchase a wristband for $10
3    Your cost is discounted by 15%
4    You may enter for free
```

○
```
1    You can purchase a wristband for $10
2    Your cost is discounted by 15%
3
```

▲

Correct

✔   7.   What is the output of the following code?

1 / 1
point

```
1    int x = -7;
2
3    if(x > 0){
4        Out.println(x + 10);
5    }
6    else if (x == 0){
7        Out.println(x);
8    }
9    else{
10        Out.println(x - 10);
11    }
```

○   -7

     3

○   -17

▲

Correct

○   3

○   -7

✔ 8. What value of x would produce the desired output seen below?

1 / 1
point

```
1   if (x > 10){
2       Out.println("Above average");
3       if (x > 20){
4           Out.println("Should continue with the program");
5       else {
6           Out.println("May want to continue with the program");
7       }
8   else{
9       Out.println("Do not continue, move to another section");
10  }
```

Desired output:

```
1   Above average
2   May want to continue with the program
```

- ○ -4

- ◎ 16

  Correct

- ○ 23

- ○ 7

👍 👎 ⚑