



## Conditionals (Selection)

0



What is the value of myInteger after execution of the following code?

```
int myInteger = -1;
if (myInteger++ < 0) {
    myInteger = myInteger + 2;
} else {
    myInteger = myInteger + 1;
}
```

A. 0  
B. 1  
C. 2  
D. 3  
E. None of the above

1



What is the value of myInteger after execution of the following code?

```
int myInteger = -1;
if (myInteger++ < 0) {
    myInteger = myInteger + 2;
} else {
    myInteger = myInteger + 1;
}
```

A. 0  
B. 1  
C. 2  
D. 3  
E. None of the above

2



What is the value of myInteger after execution of the following code?

```
int myInteger = 1;
if (-- myInteger == 1) {
    myInteger += 4;
} else {
    myInteger += 5;
}
```

A. 3  
B. 4  
C. 5  
D. 6  
E. None of the above

3



What is the value of myInteger after execution of the following code?

```
int myInteger = 1;
if (-- myInteger == 1) {
    myInteger += 4;
} else {
    myInteger += 5;
}
```

A. 3  
B. 4  
C. 5  
D. 6  
E. None of the above

4



On to the lecture

5



What is printed to the console after execution of the following code?

```
boolean bo = true;
boolean b1 = false;
System.out.println(!bo);
System.out.println(bo && b1);
System.out.println(bo || !b1);
System.out.println(!bo ^ (bo || b1));
```

- A. false, true, false, false
- B. false, false, true, false
- C. true, true, false, false
- D. false, false, true, true
- E. None of the above

Conditional Expressions



cs163/164 - Conditionals

Question - 6



6



What is printed to the console after execution of the following code?

```
boolean bo = true;
boolean b1 = false;
System.out.println(!bo);
System.out.println(bo && b1);
System.out.println(bo || !b1);
System.out.println(!bo ^ (bo || b1));
```

- A. false, true, false, false
- B. false, false, true, false
- C. true, true, false, false
- D. **false, false, true, true**
- E. None of the above

Conditional Expressions



cs163/164 - Conditionals

Question - 7



7



What is printed to the console after execution of the following code?

```
int x = 30; int y=20;
int s = x % y;
if (s == 10)
    System.out.println("length = 10");
else if (s >= 10)
    System.out.println("length >= 10");
else
    System.out.println("length < 10");
```

- A. length = 10  
length >= 10
- B. length = 10
- C. length >= 10
- D. length < 10
- E. None of the above

Conditional Expressions



cs163/164, Peer 2 - Conditionals - Fall Semester 2016

Question - 8



8



What is printed to the console after execution of the following code?

```
int x = 30; int y=20;
int s = x % y;
if (s == 10)
    System.out.println("length = 10");
else if (s >= 10)
    System.out.println("length >= 10");
else
    System.out.println("length < 10");
```

- A. length = 10  
length >= 10
- B. **length = 10**
- C. length >= 10
- D. length < 10
- E. None of the above

Conditional Expressions



cs163/164, Peer 2 - Conditionals - Fall Semester 2016

Question - 9



9



What is the value of the variable taxes after execution of the following code?

```
double income = 80000.00;
double taxes = 5000.00;
if (income > 65000.00) {
    if (income < 90000.00)
        taxes += income * 0.25;
    else
        taxes += income * 0.15;
} else taxes += income * 0.10;
```

- A. 25000
- B. 21250
- C. 13000
- D. 17000
- E. None of the above

Conditional Expressions



cs163/164 - Conditionals

Question - 10



10



What is the value of the variable taxes after execution of the following code?

```
double income = 80000.00;
double taxes = 5000.00;
if (income > 65000.00) {
    if (income < 90000.00)
        taxes += income * 0.25;
    else
        taxes += income * 0.15;
} else taxes += income * 0.10;
```

- A. **25000**
- B. 21250
- C. 13000
- D. 17000
- E. None of the above

Conditional Expressions



cs163/164 - Conditionals

Question - 11



11



Which of the following statements will generate a compile error?

- A. `if (radius >= 0);  
radius = 1;`
- B. `if (radius < 0)  
else radius = 2;`
- C. `if (radius < 0);  
else; radius = 3;`
- D. `boolean b = (2 < 1);`
- E. `switch (c) {  
case 'a':  
case 'b':  
case 'c': c = 'z';  
break;  
}`

Conditional Symbols



cs161/64 - Conditionals

Question - 12



12



Which of the following statements will generate a compile error?

- A. `if (radius >= 0);  
radius = 1;`
- B. `if (radius < 0)  
else radius = 2;`
- C. `if (radius < 0);  
else; radius = 3;`
- D. `boolean b = (2 < 1);`
- E. `switch (c) {  
case 'a':  
case 'b':  
case 'c': c = 'z';  
break;  
}`

Conditional Symbols



cs161/64 - Conditionals

Question - 13



13