What is the value of the declared boolean after execution of the following code?

```java
boolean canDrive = true;
int age = 16;
if (age == 16)
canDrive = true;
System.out.println(canDrive);
```

A. false  
B. true  
C. Will not compile!
What is the value of the declared boolean after execution of the following code?

```java
boolean canDrive = false;
int age = 16;
if (age < 16)
    canDrive = true;
System.out.println(canDrive);
```

A. false  
B. true  
C. Will not compile!

---

What is the value of the declared boolean after execution of the following code?

```java
int i = 100, j = 200, k = 300;
boolean myBoolean;
if (i <= j <= k)
    myBoolean = true;
else
    myBoolean = false;
```

A. false  
B. true  
C. Will not compile!

---

What is the value of the declared boolean after execution of the following code?

```java
int i = 100, j = 200, k = 300;
boolean myBoolean;
if (i <= j && j <= k)
    myBoolean = true;
else
    myBoolean = false;
```

A. false  
B. true  
C. Will not compile!
What is the value of the declared boolean after execution of the following code?

```java
int i = 100, j = 200, k = 300;
boolean myBoolean;
if (i <= j && j <= k)
    myBoolean = true;
else
    myBoolean = false;
```

A. false  
B. true  
C. Will not compile!

Are the first and second code segments shown below identical?

```java
// First code segment
if (even == false)
    System.out.println("It is odd.");

// Second code segment
if (!even)
    System.out.println("It is odd.");
```

A. Yes  
B. No  
C. Depends on the boolean

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

```java
boolean b0 = true;
boolean b1 = false;
System.out.println(!b0);
System.out.println(b0 || !b1);
System.out.println(!b1 ^ (b0 || b1));
System.out.println(b0 && 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

Are the first and second code segments shown below identical?

```java
// First code segment
if (even == false)
    System.out.println("It is odd.");

// Second code segment
if (even)
    System.out.println("It is odd.");
```

A. Yes  
B. No  
C. Depends on the boolean

Question - 8

Are the first and second code segments shown below identical?

```java
// First code segment
if (even == false)
    System.out.println("It is odd.");

// Second code segment
if (!even)
    System.out.println("It is odd.");
```

A. Yes  
B. No  
C. Depends on the boolean

Question - 9

Question - 10
What is printed to the console after execution of the following code?

```java
boolean b0 = true;
boolean b1 = false;
System.out.println(b0 || b1);
System.out.println(b0 ^ (b0 || b1));
System.out.println(b0 && 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

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

```java
int length = 10 % 2;
if (length == 10)
    System.out.println("length = 10");
else if (length >= 10)
    System.out.println("length >= 10");
else
    System.out.println("length < 10");
```

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

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

```java
int length = 10 % 2;
if (length == 10)
    System.out.println("length = 10");
else if (length >= 10)
    System.out.println("length >= 10");
else
    System.out.println("length < 10");
```

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

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

```java
double income = 60000.00;
double taxes = 5000.00;
if (income < 65000.00) {
    if (income < 50000.00)
        taxes += income * 0.25;
    else
        taxes += income * 0.15;
} else
    taxes += income * 0.10;
```

A. 25000  
B. 21250  
C. 13000  
D. 14000  
E. None of the above
What is the value of the variable taxes after execution of the following code?

double income = 60000.00;
double taxes = 5000.00;
if (income < 65000.00) {
    if (income < 50000.00)
        taxes += income * 0.25;
    else
        taxes += income * 0.15;
} else
    taxes += income * 0.10;

A. 25000
B. 21250
C. 13000
D. 14000
E. None of the above

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

double percent = 0.75;
if (percent > 0.5) {
    if (percent < 0.8)
        percent *= 2.0;
    else
        percent *= 3.0;
} else
    percent *= 2.0;

A. 0.75
B. 1.0
C. 1.5
D. 2.25
E. None of the above

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

double percent = 0.75;
if (percent > 0.5) {
    if (percent < 0.8)
        percent *= 2.0;
    else
        percent *= 3.0;
} else
    percent *= 2.0;

A. 0.75
B. 1.0
C. 1.5
D. 2.25
E. None of the above

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

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

A. 0
B. 1
C. 2
D. 3
E. None of the above
What is the value of myInteger after execution of the following code?

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

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

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

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

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

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

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

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

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

```java
char myChar = '#';
switch (myChar) {
    case '#':
    case '@':
    case 'a':
        myChar = 'b';
    case 'b':
        myChar = 'c';
    break;
    default:
        myChar = 'd';
}
```
What is the value of myChar after execution of the following code?

```java
char myChar = 'W';
switch (myChar) {
    case '#': myChar = 'a';
    case '@': myChar = 'b';
    case 'a': myChar = 'c';
        break;
    default: myChar = 'd';
}
```

A. 'a'
B. 'b'
C. 'c'
D. 'd'

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

```java
int myInteger = 1234;
switch (myInteger) {
    case 1234 || 4321:
        myInteger -= 10;
    default:
        myInteger += 10;
}
```

A. 1224
B. 1234
C. 1244
D. Will not compile!

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

```java
int myInteger = 1234;
switch (myInteger) {
    case 1234:
        myInteger -= 10;
    case 4321:
        myInteger -= 10;
    default:
        myInteger += 10;
}
```

A. 1224
B. 1234
C. 1244
D. Will not compile!

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

```java
int myInteger = 1234;
switch (myInteger) {
    case 1234: myInteger -= 10;
    case 4321:
        myInteger -= 10;
    default:
        myInteger += 10;
}
```

A. 1224
B. 1234
C. 1244
D. Will not compile!
What is the value of myInteger after execution of the following code?

```java
int myInteger = 1234;
switch (myInteger) {
    case 1234:
        myInteger += 10;
        break;
    case 4321:
        myInteger += 10;
        break;
    default:
        myInteger += 10;
        break;
}
```

A. 1244
B. 1234
C. 1224
D. 1214
E. Will not compile!