

# Java: Basic Elements Of Java

Quiz

# Question 1

- Which of the following are valid operators in java?

A. >>>

B. <<<

C. instanceof

D. <>

## Question 2

```
public class Floats {  
    public static void main (String[]  
        args) {  
        float c = 1;    // 1  
        double d = .1f;    // 2  
        float e = .1;    // 3  
    }  
}
```

A compile-time error is generated at which line?

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

## Question 3

```
public class Ints{  
    public static void main(String[]  
args) {  
        short s1 = 1;           //1  
        final char c1 = 1;      //2  
        byte b1 = s1;           //3  
        byte b2 = c1;           //4  
    }  
}
```

A compile-time error is generated at which line?

- A. 1
- B. 2
- C. 3
- D. 4

## Question 4

```
public class Test {  
    public static void main (String[]  
args) {  
        byte b = 1;        // 1  
        long l = 1000;     // 2  
        _____        // 3  
    }  
}
```

What can you insert at line 3 so that the code compiles?

- A. `b=l+1;`
- B. `b += l;`
- C. `l=b+1;`
- D. `b=b+1;`

## Question 5

```
public class Bytes{  
    public static void main(String args[]) {  
        byte a =(byte)127,  
            b=(byte)128 ,c=(byte)255 ,d = (byte)256;  
        System.out.println(a) ;  
        System.out.println(b) ;  
        System.out.println(c) ;  
        System.out.print(d) ;  
    }  
}
```

What numbers will the code display in each new line?

- A. 127 ,128, 255 and 256
- B. 127, 128, 255 and 0
- C. 127, -1, -127 and 0
- D. 127, -128, -1 and 0

## Question 6

```
public class Test{  
    int j; //line 1  
    public static void main(String str[]){  
        int i; // line 2  
        System.out.println(i); // line 3  
        System.out.println(j); //line 4  
    }  
}
```

The code above

- A. Compiles clean and displays 0 for both i and j
- B. Generates compilation error at line 1
- C. Generates compilation error at line 2
- D. Generates compilation error at line 3

## Question 8

```
public class While
{
    public static void main(String
str[]) {
        while (1.1) {
            System.out.println("Ok") ;
        }
    }
}
```

What will happen when you compile or execute this code?

- A. prints "Ok" continuously
- B. Code will not compile
- C. Code will generate an error at runtime
- D. Nothing is displayed



## Question 10

Which of the following is/are NOT valid variable declaration?

**A. %abcd**

**B. \$ab**

**C. string**

**D. main**

# Question 11

What happens when you compile and execute the code below?

```
public class Test {  
    public static void  
main(String[] args) {  
    int x=011;  
    System.out.println(x+1) ;  
    }  
}
```

- A. It prints 12
- B. It prints 10
- C. It prints 11
- D. Compilation error

## Question 12

What is the range of char?

- A.  $-2^{15}$  to  $2^{15}$
- B.  $-2^{15} - 1$  to  $2^{15}$
- C.  $-2^{15}$  to  $2^{15}-1$
- D. None of the above

## Question 13

Select the invalid assignments

A. `int i = (int)16.2d;`

B. `byte b = (byte) (long)16.2;`

C. `boolean f = (boolean)0;`

D. `byte b = (int)16.2;`

## Question 14

```
public class Test {  
    public static void  
    main(String[] args) {  
        float f=22/7;  
        System.out.printf("%5.2f",f) ;  
    }  
}
```

What does the code print?

- A. 3.14
- B. 3.00
- C. 3.143
- D. Compilation error

# Question 15

```
public class Test {  
    public static void main(String[] args) {  
        final int x=1;  
        final String s="1";  
        final char c='1';  
        int y=1;  
        switch (y) {  
            default: System.out.print("d"); break; //1  
            case x: System.out.print("int"); break;  
//2  
            case s: System.out.print("str"); break;  
//3  
            case c: System.out.print("char"); break;  
//4  
        } } }
```

- A. Code does not compile because of line 2,3,4.
- B. Code does not compile because of line 3.
- C. Code does compile and displays "int"
- D. If line 3 is commented code prints "d" and "int".