# Java: Basic Elements Of Java

Quiz

# Question 1

- Which of the following are valid operators in java?

A. `>>>`

B. `<<<`

C. `instanceof`

D. `<>`

# 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 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 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;



HCL

# 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 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 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 7

```
public class Test {
   public static void main(String[] args){
      int j = 10;
           for(; j < 8; j++){
            if (j==9) break out;
            System.out.print(j + "\n");
             }
                 out:{System.out.println(”over");}
               }
   }
```

A. The code will fail to compile because of incorrect **`for`** loop

B. The code will fail to compile because of incorrect positioning of label.

C. This will run and print 10 and “over"

D. This will run and print 9 and “over"

# Question 7

```
public class Test {
   public static void main(String[] args){
      int j = 10;
           for(; j < 8; j++){
            if (j==9) break out;
            System.out.print(j + "\n");
             }
                 out:{System.out.println(”over");}
               }
   }
```

A. The code will fail to compile because of incorrect **`for`** loop

B. The code will fail to compile because of incorrect positioning of label.

C. This will run and print 10 and “over"

D. This will run and print 9 and “over"

# 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 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 9

```
public class Test {
        public static void main(String[] args){
       System.out.print(-2<<33);
   }
 }
```

What will happen when you compile or execute this code?

A. -1

B. -2

C. -3

D. -4

# Question 9

```
public class Test {
        public static void main(String[] args){
       System.out.print(-2<<33);
   }
 }
```

What will happen when you compile or execute this code?

A. -1

B. -2

C. -3

D. -4

# Question 10

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

**A.** `%abcd`

**B.** `$ab`

**C.** `String`

**D.** `main`

# 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 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 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 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 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 compiles and displays "int"

D. If line 3 is commented code prints "d" and "int".

# 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 compiles and displays "int"

D. If line 3 is commented code prints "d" and "int".