

**Question 1:**

What is the correct extension for a Java bytecode compiled file?

1. .java
2. .class
3. .bytecode
4. None of the above

**Question 2:**

What is the output of this code-block, if user input is 49?

```
int message = sc.nextInt();
switch (message) {
    case 11:
        System.out.println("hi");
        break;
    case 21:
        System.out.println("bye");
        break;
    default:
        System.out.println("what?");
        break;
}
```

1. bye
2. hi
3. no output
4. what?

**Question 3:**

Which one of the following has no syntax error?

1.  
`int x;`  
`x=5;`  
`x="15";`  
`y=2.3;`

2.

```
int x;  
x=5;  
x="15";  
double y=2.3;
```

3.

```
int x;  
x=5;  
x=15;  
double y=2.3;
```

4. .

```
int x;  
x=5;  
x=15.0;  
double y=2.3;
```

Question 4:

What does this code output?

```
public static void main(String[] args) {  
    System.out.println("x\tx^2\t\n1\t2");  
}
```

1.

```
XX^2  
12
```

2.

```
X  X^2  
1  2
```

3.

```
X  X^2  1  2
```

4. None of the above

Question 5:

What is the result of the following Java class?

```
public class MyFirstJavaProgram {  
    int house = 10;  
    public static void main(String[] data) {  
        int building = 5;  
        System.out.print(building + house);  
    }  
}
```

1. It Won't compile
2. 15
3. buildinghouse
4. it will compile but no put put

Question 6:

Identify the error in this code-block. What is the correct code for that line?

```
public static void main(String[] data) {  
    Scanner input = new Scanner(System.in);  
    int x;  
    System.out.print("x: ");  
    x = input.nextLine();  
    System.out.println(x);  
}
```

1. String X = input.nextLine();
2. System.out.println("X");
3. X = input.nextInt();
4. X = nextInt();

Question 7:

What is the difference between `x++` and `++x`?

1. `x++` increments `x` but contributes the new value of `x` to any expression  
while `++x` increments `x` and contributes the original value of `x` to any expression
2. `x++` increments `x` but contributes the original value of `x` to any expression  
while `++x` increments `x` and contributes the new value of `x` to any expression
3. There is no difference between `x++` and `++x`
4. `x++` increases 1 unit, but `++x` decreases 1 unit

Question 8:

Which of the following *statements* will output “Hello Dolly” if a string variable named `str` contains the exact contents “I’m Dolly”?

1.

```
String str="I'm Dolly";  
if(str.equals(I'm Dolly)){  
    System.out.println("Hello Dolly");  
}
```

2.

```
String str="I'm Dolly";  
if(str == "I'm Dolly"){  
    System.out.println("Hello Dolly");  
}
```

3.

```
String str="I'm Dolly";  
if(str.equals("I'm Dolly")){  
    System.out.println("Hello Dolly");  
}
```

4.

```
String str="I'm Dolly";  
if(str==true)  
    System.out.println("Hello Dolly");  
}
```

**Question 9:**

**Which one of the following statements is correct? (Select two)**

1. A primitive type variable holds multiple values
2. String is a primitive type variable
3. String is a reference type variable
4. boolean is a reference type variable
5. long number = 22514554; is a primitive type variable declaration

**Question 10:**

**What is the output of this code?**

```
public static void main(String[] data) {  
    double i = 2012.2654;  
    System.out.printf("%.2f", i);  
}
```

1. 20.2654
2. 2012.2654
3. 2012.27
4. 2012.0

**Question 11:**

**Which one of the following lists presents from smallest to largest data type?**

1. short, byte, int , long
2. byte, short, int, long
3. byte, short, long , int
4. byte, int , short, long

**Question 12:**

**What does the code output?**

```
public static void main(String[] data) {  
    String s = "Hi, there java";  
    System.out.print(s.indexOf('i')+" "+s.lastIndexOf('e')+" "+s.lastIndexOf('v'));  
}
```

1. 1 8 12
2. 2 9 13
3. 1 7 10
4. 2 8 11

Question 13:

Which of the following Java declarations will not compile?

1. `int num = 2, number = 4;`

2. `String name, birthday;`

3. `double number, int value = 5;`

4. `long number = 100, bigNumber = 5552452;`

Question 14:

Which of the following is not a valid name for declaring variable? (select two)

1. `int __name;`
2. `int $name;`
3. `int 5name;`
4. `int name&;`

Question 15:

What is the result while running this code?

```
public class MyFirstJavaProgram {  
    integer x = Integer.valueOf("7");  
    public static void main(String[] args) {  
        integer x = Integer.valueOf("5");  
        integer y = Integer.valueOf("2");  
        System.out.println(x*y);  
    }  
}
```

1. 10
2. Code will not compile
3. 14
4. The code compiles but throws an exception at runtime