1. Number of primitive data types in Java are?
A. 6
B. 7
C. 8
D. 9

2. What is the size of float and double in java?
A. 32 and 64
B. 32 and 32
C. 64 and 64
D. 64 and 32

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3. Find the output of the following code.

```
int integer = 24;
char String  = 'I';
System.out.print(integer);
System.out.print(String);
```
A. Compile error
B. Throws exception
C. I
D. 24 I

4. Find the output of the following program.

```
public class Solution{
    public static void main(String[ ] args){
            byte x = 127;
            x++;
            x++;
            System.out.print(x);
    }
}
```
A. -127
B. 127
C. 129
D. 2

5. Find the output of the following code.

```
int ++a = 100;
System.out.println(++a);
```
A. 101
B. Compile error as ++a is not valid identifier
C. 100
D. None

6. public class Solution{
public static void main(String[ ] args){

```
        int x = 5;
        x * = (3 + 7);
        System.out.println(x);
    }}
```

1. WRITE A JAVA PROGRAM TO SWAP TWO NUMBERS WITHOUT THIRD VARIABLE
2. WRITE A JAVA PROGRAM TO FIND YEAR IS A LEAP YEAR OR NORMAL YEAR
3. WRITE A JAVA PROGRAM TO PRINT DAYS IN A WEEK (USING SWITCH)
4. WRITE A JAVA FUNCTION TO CALCULATE SIMPLE INTEREST WHERE IT WILL TAKE P,T,R AS A PARAMETER
NOTE:SI = (P*T*R)/100
5. WRITE A JAVA FUNCTION TO PRINT SUM OF N NUMBERS WHERE IT WILL TAKE N AS A PARAMETER

A. 50
B. 22
C. 10
D. None

7. How many times will "Interviewbit" be printed.

```java
int count = 0;
do{
  System.out.println("Interviewbit
  ");
  count++;
} while(count < 10);
```

A. 8
B. 9
C. 10
D. 11

8. Identify the return type of a method that does not return any value.

A. int
B. void
C. double
D. None

9. Find the output of the following code.

```java
if(1 + 1 + 1 + 1 + 1 == 5){
  System.out.print("TRUE")
  ;
}
else{
  System.out.print("FALSE
  ");
}
```

A. TRUE
B. FALSE
C. Compile error
D. None

10. Find the value of A[1] after execution of the following program.

```java
int[ ] A = {0,2,4,1,3};
for(int i = 0; i < a.length;
i++){
  a[i] = a[(a[i] + 3) %
  a.length];
}
```

A. 0
B. 1
C. 2
D. 3

11. What is the difference between for loop and while loop ?

12. what is the syntax for variable declaration an initialization give 4 different examples

13. what are the features of java

14. write syntax for nested for loop

15. write syntax for while loop and do while loop

   X=-1 and y=4

1. x = x (+) y (−) x (+) y (-) - - y

2. x = - - y (+) x + +(+) y (-) x

3. y = y (+) x (-) x (+) y (-) - - x

4. x = x - - (-) + + y (-) x (+) y (-) + + x

5. x = (-) y (-) x (+) y - - (+) x + +