

1. Write a Java program to find Factorial of a number using for loop.

*tip:  $n=4$  ; Factorial =  $n*(n-1)*(n-2)*(n-3)$*

2. Write a function to swap two numbers, without use of temporary variable.

*tip:  $x=10$  ,  $y=20$  ; After swap  $\Rightarrow x=20$ ,  $y=10$*

3. Write a Java program to add all the numbers in an integer array using for loop

*tip:  $\text{int arr}[5] = \{1,2,3,4,5\}$  ; Sum =  $\text{arr}[0] + \text{arr}[1] + \text{arr}[2] + \text{arr}[3] + \text{arr}[4]$*

4. Write a Java program to check for weekday and weekend days if any number provided between 0 to 7

*tip: 1 for Monday and 7 for Sunday, print day is weekend or weekday*

5. Write a Java program to find Even and odd number

*tip: use % operator to find remainder*

6. Write a Java program to print numbers in forward and reverse order using for loop

*tip:  $n=10$  ; print like  $\rightarrow 1\ 2\ 3\ 4\ 5\ 6\ 7\ 8\ 9\ 10$  ;  $10\ 9\ 8\ 7\ 6\ 5\ 4\ 3\ 2\ 1$*

7. Write a program for creation of 2D array of [3 rows X 4 columns] and print the 2 D array in form of Matrix.

*tip: Use nested for loops*

8. Write a Java Program with 4 different constructors and 2 constructor named methods which should print method name.

9. Write a Java program which contains a initializer block and should initialize different types of data types. Override values of variables after object creation.

10. Write a Java program to add 2 integer arrays and store into another array, use for loop.

*tip: int a[4] = {1,2,3,4} , b[4] = {10,20,30,40} ; c[4] , c = a + b;*