Task 1 – Write a program to swap two number. For example a=10 and b=20 output should be a=20 and b=10

**public** **class** SwapTwoNumbers {

**public** **static** **void** main(String[] args) {

**int** a = 10;

**int** b = 20;

b=a;

a = a+b;

System.***out***.println("The value of 'a' is : " +a);

System.***out***.println("The value of 'b' is : " +b);

}

}

Task 2- Write a program to print the sum of below 5 numbers.

10,90.78,111,8989,7876

**public** **class** SumOfFiveNumbers {

**public** **static** **void** main(String[] args) {

**int** a[] = {10,90,78,111,8989,7876};

**int** sum = 0;

**for**(**int** i=0; i<a.length; i++)

{

sum = sum+a[i];

}

System.***out***.println("Sum of given numbers are: " +sum);

}

}

Task 3- Write a program to print the average of below 5 numbers.

10,90.78,111,8989,7876

**public** **class** AverageOfFiveGivenNumbers {

**public** **static** **void** main(String[] args) {

**int** a[] = {10,90,78,111,8989,7876};

**int** sum = 0;

**for**(**int** i=0; i<a.length; i++)

{

sum = sum+a[i];

}

**double** avg = sum/a.length;

System.***out***.println("Average of given numbers are: "+avg);

}

}

Task 4- Write a program to print all even numbers from 1-200

**public** **class** PrintEvenNumbers {

**public** **static** **void** main(String[] args) {

**int** i=1;

System.***out***.println("All even numbers from 1-200 are: ");

**while** (i <=200)

{

**if**(i % 2 == 0)

System.***out***.println(i);

i++;

}

}

}

Task 5- Write a program to print all odd numbers from 1-50

**public** **class** PrintOddNumbers {

**public** **static** **void** main(String[] args) {

System.***out***.println("All odd numbers from 1-50 are : ");

**for**(**int** i=1; i<=50; i+=2)

{

System.***out***.println(i);

}

}

}

Task 6- Write a program to print all prime numbers from 1-1000

**public** **class** PrintPrimeNumbers {

**public** **static** **void** main(String[] args) {

**int** num;

System.***out***.println("Prime Numbers between 1 and 1000 are:- ");

**for**(num=1;num<=1000;num++)

{

**int** count = 0;

**for**(**int** i = 1; i<=num; i++)

{

**if**(num%i == 0)

count++;

}

**if**(count==2)

{

System.***out***.println(num);

}

}

}

}

Task 7- Write a program to print below pattern



**public** **class** PrintPattern {

**public** **static** **void** main(String[] args) {

**for**(**int** i=1; i<=6; i++)

{

**for**(**int** j=1; j<=i; j++)

{

System.***out***.print("\*");

}

System.***out***.println();

}

}

}

Task 8- Write a program to print below students marks who have scored above 80

Example- 78,12,89,55,35

Output- 78,89

**public** **class** StudentsMarksAbove80 {

**public** **static** **void** main(String[] args)

{

**int** studentsMarks[] = {78,12,89,55,35};

**for**(**int** i=0; i<studentsMarks.length; i++)

{

**if**(studentsMarks[i]>80)

{

System.***out***.println(studentsMarks[i]);

}

}

}

}

Task 9- Write a program which will break the current execution if it find number 85

Input – [12,34,66,85,900]

**public** **class** BreakCurrentExecutionIfFindNumber85 {

**public** **static** **void** main(String[] args) {

**int** num[] = {12,34,66,85,900};

**for**(**int** i: num)

{

**if**(i==85)

**break**;

System.***out***.println(i);

}

}

}

Task 10- Write a program which will break the current execution if it find “Selenium”

Input – [“Java”,”JavaScript”,”Selenium”,”Python”,”Mukesh”]

**public** **class** BreakCurrentExecutionIfFindStringSelenium {

**public** **static** **void** main(String[] args) {

String str[] = {"Java","JavaScript","Selenium","Python","Mukesh"};

**for**(String s: str)

{

**if**(s=="Selenium")

**break**;

System.***out***.println(s);

}

}

}