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

Solution:

**public** **class** Swapnumbers {

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

**int** a = 10;

**int** b = 20;

**int** c = a; // assigning value of a to c, so c become 10

a = b ; // now assigning value of b to a, so a become 20

b = c ; // now assigning value of c to b, so b become 10

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

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

}

}

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

10,90.78,111,8989,7876

Solution:

**public** **class** Addingnumbers {

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

**int** firstnum = 10;

**double** secondnum = 90.78;

**int** thirdnum = 111;

**int** fourthnum = 8989;

**int** fifthnum = 7876;

**double** sum = (firstnum+secondnum+thirdnum+fourthnum+fifthnum);

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

}

}

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

10,90.78,111,8989,7876

Solution:

**public** **class** Averagenumbers {

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

**int** firstnum = 10;

**double** secondnum = 90.78;

**int** thirdnum = 111;

**int** fourthnum = 8989;

**int** fifthnum = 7876;

**double** average = (firstnum+secondnum+thirdnum+fourthnum+fifthnum)/5;

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

}

}

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

Solution:

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

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

**for**(**int** i=2;i<=200;i=i+2) {

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

// it will print all "even" numbers from 1 to 200

}

}

}

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

Solution:

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

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

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

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

// it will print all "odd" numbers from 1 to 50

}

}

}

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

Solution:

**public** **class** PrimeNumbers {

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

{

**int** i =0;

**int** num =0;

//Empty String

String primeNumbers = "";

**for** (i = 1; i <= 100; i++)

{

**int** counter=0;

**for**(num =i; num>=1; num--)

{

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

{

counter = counter + 1;

}

}

**if** (counter ==2)

{

//Appended the Prime number to the String

primeNumbers = primeNumbers + i + " ";

}

}

System.***out***.println("Prime numbers from 1 to 100 are :");

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

}}

Task 7- Write a program to print below pattern



Solution:

**public** **class** Pattern {

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

{

// the rows to print

**int** i, j, row=6;

//the outer loop for rows

**for**(i=0; i<row; i++) {

//the inner loop for columns

**for**(j=0; j<=i; j++){

//to prints stars

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

}

// print new line

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

Solution:

**public** **class** PrintMarks {

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

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

**for** (**int** i=0;i<4;i++) {

**if**(studentmarks[i] > 80) {

System.***out***.println("Marks scored above eighty is " +

studentmarks[i]);

}

}

}

}

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

Input – [12,34,66,85,900]

Solution:

**public** **class** SwitchNumber {

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

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

**for** (**int** i=0;i<4;i++) {

**if**(numbers[i] == 85) {

System.***out***.println("Reached number " + numbers[i] + " stop execution");

}

**else** {

System.***out***.println("Reached number " + numbers[i] + " continue execution");

}

}

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

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

Solution:

**public** **class** SwitchName {

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

String name = "Java";

**switch**(name)

{

**case** "Java":

System.***out***.println("I am Java please continue");

**case** "JavaScript":

System.***out***.println("I am JavaScript please continue");

**case** "Selenium":

System.***out***.println("I am Selenium please stop");

**break**;

**case** "Python":

System.***out***.println("I am Python do not execute");

**break**;

**case** "Mukesh":

System.***out***.println("I am Mukesh do not execute");

**break**;

}

}

}