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:**

**package** assignment1;

**public** **class** Task1 {

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

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

**int** a = 10 ;

**int** b = 20;

**int** c;

System.***out***.println("before swap a is = "+ a+" and b is = " +b);

c = a;

a = b;

b = c;

System.***out***.println("after swap a is = "+ a+" and b is = " +b);

}

}

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

10,90.78,111,8989,7876

**Solution:**

**package** assignment1;

**public** **class** Task2 {

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

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

//10,90.78,111,8989,7876

**double** sum =0;

**double**[] numbers = {10,90.78,111,8989,7876};

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

sum = sum+numbers[i];

}

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

}

}

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

10,90.78,111,8989,7876

**Solution:**

**package** assignment1;

**public** **class** Task3 {

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

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

//10,90.78,111,8989,7876

**double** sum =0;

**double**[] numbers = {10,90.78,111,8989,7876};

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

sum = sum+numbers[i];

}

System.***out***.println("average of 5 numbers is: " + sum/numbers.length);

}

}

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

**Solution:**

**package** assignment1;

**public** **class** Task4 {

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

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

**for**(**int** i =1;i<=200;i++) {

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

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

}

}

}

}

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

**Solution:**

**package** assignment1;

**public** **class** Task5 {

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

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

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

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

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

}

}

}

}

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

Solution:

**package** assignment1;

**public** **class** Task6 {

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

// Task 6- Write a program to print all prime numbers from 1-10- 2,3,5,7

**int** num = 1000;

**int** temp = 0;

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

**if**(i == 1) {

temp = temp+ 1;

}

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

**if**(i%j==0) {

temp = temp + 1;

}

}

**if**(temp == 0) {

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

}

**else** {

temp = 0;

}

}

}

}

Task 7- Write a program to print below pattern



**Solution:**

**package** assignment1;

**public** **class** Task7 {

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

// Task 7- Write a program to print below pattern

**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

**Solution:**

**package** assignment1;

**public** **class** Task8 {

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

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

//Example- 78,12,89,55,35

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

**for**(**int** marks:arr) {

**if**(marks>80) {

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

}

}

}

}

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

Input – [12,34,66,85,900]

**Solution:**

**package** assignment1;

**public** **class** Task9 {

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

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

// Input – [12,34,66,85,900]

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

**for**(**int** num :arr) {

**if**(num == 85) {

**break**;

}

**else** {

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

}

}

}

}

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

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

**Solution:**

**package** assignment1;

**public** **class** Task10 {

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

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

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

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

**for**(String lang: languages) {

**if**(lang.equals("Selenium")) {

**break**;

}

**else** {

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

}

}

}

}