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

Ans:

```java
public class AssignmentTask1 {

        public static void main(String[] args) {

                //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 temp;

                System.out.println("Before swapping value of a :"+ a);
                System.out.println("Before swapping value of b :"+ b);

                temp = a;
                a=b;
                b=temp;

                System.out.println("Before swapping value of a :"+ a);
                System.out.println("Before swapping value of b :"+ b);

        }

}
```

Task 2- Write a program to print the sum of below 5 numbers.
10,90.78,111,8989,7876

Ans:

```java
public class AssignmentTask2 {

        public static void main(String[] args) {
                // Write a program to print the sum of below 5 numbers.10,90.78,111,8989,7876

                int num1=10;
                double num2=90.78;
```

```java
                    int num3=111;
                    int num4=8989;
                    int num5=7876;

                    double sum =(num2+num3+num4+num5);

                    System.out.println(sum);


        }

}
```

Task 3- Write a program to print the average of below 5 numbers.
        10,90.78,111,8989,7876

Ans:

```java
public class AssignmentTask3 {

        public static void main(String[] args) {
                // Write a program to print the average of below 5
                // numbers.10,90.78,111,8989,7876

                double sum = 0;
                double average = 0;

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

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

                        sum = sum + numbers[i]; // sum + = numbers[i]
                        average = (sum / numbers.length);

                }
```

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

Ans:

```java
public class AssignmentTask4 {
```

```java
public static void main(String[] args) {
    //Write a program to print all even numbers from 1-200

    int number= 200;

    System.out.print("List of even numbers from 1 to 200 :" );

    for(int i=1 ; i<=number; i++) {

        if(i%2==0) {

            System.out.print(" " + i);
        }
    }

}

}
```

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

Ans:

```java
public class AssignmentTask5 {

    public static void main(String[] args) {
        // Write a program to print all odd numbers from 1-50

        int number = 50;

        System.out.println("List of all odd numbers from 1 to 50");

        for (int i = 1; i <= number; i++) {
            if (i % 2 != 0) {

                System.out.print(" " + i);

            }
        }

    }

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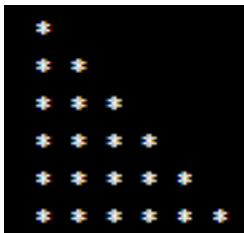
Task 6- Write a program to print all prime numbers from 1-1000

```java
public class PrimeNumbers {

        public static void main(String[] args) {



                // Empty String
                String primeNumbers = "";

                for (int i = 1; i <= 1000; i++) {
                        int counter = 0;

                        for (int j = i; j >= 1; j--) {

                                if (i % j == 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 1000 are :");
                System.out.println(primeNumbers);
        }

}
```

Task 7- Write a program to print below pattern

Ans:

```java
public class AssignmentTask7 {

    public static void main(String[] args) {
        //write a program to print below pattern

        int n = 6;

        for (int i = 1; i <= n; 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
Ans:

```java
public class AssignmentTask8 {

    public static void main(String[] args) {

        // Write a program to print below students marks who have scored above 80
        // Example- 78,12,89,55,35
        // Output- 78,89

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

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

            if (marks[i] > 80) {
```

```
                    System.out.println("Print students marks who scored above 80 : " + marks[i]);
            }
        }

    }

}
```

Task 9- Write a program which will break the current execution if it find number 85
        Input – [12,34,66,85,900]
Ans:

```java
package assignments;

public class AssignmentTask10 {

    public static void main(String[] args) {

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

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

            if (input[i] == 85) {
                break;

            }
            System.out.println("Array list : " + input[i]);
        }

    }

}
```

Task 10- Write a program which will break the current execution if it find "Selenium"
        Input – ["Java","JavaScript","Selenium","Python","Mukesh"]
Ans:

```java
public class AssignmentTask9 {

    public static void main(String[] args) {

        // Write a program which will break the current execution if it find "Selenium"
        // Input – ["Java","JavaScript","Selenium","Python","Mukesh"]

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

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

            if (straary[i] == "Selenium") {
                break;
            }

            System.out.println("String aary : " + straary[i]);
        }

    }

}
```