

Task 1

```
import java.util.Scanner;

no usages
public class TaskOne
{
    no usages
    public static void main(String[] args)
    {
        Scanner input =new Scanner(System.in);

        int[] arr={1,5,9,3,6};
        System.out.println("Eneter The number to check :");
        int con=input.nextInt();

        for(int i=0; i< arr.length; i++)
        {
            if (con == arr[i])
            {
                System.out.println(con+" This Number is present in Array");
                break;
            }
            else
            {
                System.out.println(con+" This Number is Not present in Array");
                break;
            }
        }
    }
}
```

"C:\Program Files\Java\jdk-19\bin\java
Eneter The number to check :
5
5 This Number is Not present in Array
Process finished with exit code 0

Task 2

```
import java.util.Scanner;

no usages
class TaskTwo
{
    no usages
    public static void main(String[] args)
    {
        Scanner input = new Scanner(System.in);

        char [] cha=new char[6];

        for (int i=0; i<cha.length; i++) {
            cha[i] = input.next().charAt(0);
        }

        for (int i=cha.length-1; i>=0; --i)
        {
            System.out.print(cha[i]);
        }
    }
}
```

Process finished with exit code 0

Task 3

```
How Many Questions do you Want
10
Please Enter The keys of questions :
12
43
32
4
3
55
42
14
15
32
Now enter the answers :
32
21
32
4
3
55
43
2
32
21
Your 4 answers are correct out of 10

Process finished with exit code 0
```

Task 4

```
import java.util.Scanner;

no usages
class Taskfour {
    no usages
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        System.out.println("How Many Rows do you Want");
        int row=input.nextInt();
        System.out.println("How Many Columns do you Want");
        int col=input.nextInt();

        int[][] mat1=new int[row][col];
        int[][] mat2=new int[row][col];

        int no_of_element1=0;
        int no_of_element2=0;

        int[][] result=new int[row][col];

        for (int i=0; i<row; i++)
        {
            for (int j=0; j<col; j++)
            {
                no_of_element1++;
                System.out.print("First Matrices Element No "+no_of_element1);
                int mat1_elements=input.nextInt();
                mat1[i][j]=mat1_elements;
            }
        }
    }
}
```

"C:\Program Files\Java\jdk-19\bin\java.exe"

How Many Rows do you Want
2

How Many Columns do you Want
2

First Matrices Element No 1 =1
First Matrices Element No 2 =2
First Matrices Element No 3 =3
First Matrices Element No 4 =4

Now second Matrices Element No 1 =1
Now second Matrices Element No 2 =2
Now second Matrices Element No 3 =3
Now second Matrices Element No 4 =4

Here Is Your Addition of given matrices

2 4

6 8

Process finished with exit code 0

Task 5

```
class TaskFive {
    no usages
    public static void main(String[] args)
    {
        int[] numbers={2,6,12,4,6,9,3,2,19,23,12,5,3};
        int even=0;
        int odd=0;

        for (int i=0;i< numbers.length; i++)
        {
            System.out.print(numbers[i]+" ");
            if (numbers[i]%2==0)
            {
                even++;
            }
            else
            {
                odd++;
            }
        }
        System.out.println();
        System.out.println("even numbers = "+even);
        System.out.println("Odd numbers  = "+odd);
    }
}
```

2 6 12 4 6 9 3 2 19 23 12 5 3
even numbers = 7
Odd numbers = 6
Process finished with exit code 0

Task 6

```
class TaskSix {
    no usages
    public static void main(String[] args)
    {
        int[] numbers={2,6,12,19,23,12,5};

        int largest = numbers[0];
        int smallest = numbers[0];
        for (int i = 1; i < numbers.length; i++)
        {
            if (numbers[i] > largest)
            {
                largest = numbers[i];
            }
            if (numbers[i] < smallest)
            {
                smallest = numbers[i];
            }
        }

        int difference = largest - smallest;
        System.out.println("The largest number is: " + largest);
        System.out.println("The smallest number is: " + smallest);
        System.out.println("The difference between the largest and smallest elements is: " + difference);
    }
}
```

The largest number is: 23
The smallest number is: 2
The difference between the largest and smallest elements is: 21
Process finished with exit code 0

Task 7

```
First Matrices Element No 4 =4
First Matrices Element No 5 =5
First Matrices Element No 6 =6
First Matrices Element No 7 =7
First Matrices Element No 8 =8
First Matrices Element No 9 =9
First Matrices Element No 10 =1
First Matrices Element No 11 =2
First Matrices Element No 12 =3
First Matrices Element No 13 =4
First Matrices Element No 14 =5
First Matrices Element No 15 =6
Now second Matrices Element No 1 =1
Now second Matrices Element No 2 =2
Now second Matrices Element No 3 =3
Now second Matrices Element No 4 =4
Now second Matrices Element No 5 =5
Now second Matrices Element No 6 =6
Now second Matrices Element No 7 =7
Now second Matrices Element No 8 =8
Now second Matrices Element No 9 =9
Now second Matrices Element No 10 =1
Now second Matrices Element No 11 =2
Now second Matrices Element No 12 =3
Now second Matrices Element No 13 =4
Now second Matrices Element No 14 =5
Now second Matrices Element No 15 =6

Given Matrices are equal

Process finished with exit code 0
```

Task 8

```
class TaskEight {
    no usages
    public static void main(String[] args) {

        int d1=0,d2=0;
        int[][] mat1={{1,1,1,1,1,1,1},
                      {1,1,1,1,1,1,1},
                      {1,1,1,1,1,1,1},
                      {1,1,1,1,1,1,1},
                      {1,1,1,1,1,1,1},
                      {1,1,1,1,1,1,1},
                      {1,1,1,1,1,1,1}};

        System.out.println();
        System.out.println("Your Matrices");
        System.out.println();
        for (int i=0; i<=6; i++)
        {
            for (int j=0; j<=6; j++)
            {
                System.out.print(mat1[i][j]+" ");
            }
            System.out.println();
        }
        System.out.println();

        d1=mat1[0][0]+mat1[1][1]+mat1[2][2]+mat1[3][3]+mat1[4][4]+mat1[5][5]+mat1[6][6];
        d2=mat1[0][6]+mat1[1][5]+mat1[2][4]+mat1[3][3]+mat1[4][2]+mat1[5][1]+mat1[6][0];

        System.out.println("diagonal 1 = "+d1);
        System.out.println("diagonal 2 = "+d2);
    }
}
```

"C:\Program Files\Java\jdk-19\bin\j

Your Matrices

```
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
1 1 1 1 1 1 1
```

diagonal 1 = 7
diagonal 2 = 7

Process finished with exit code 0