DAY-2

Hands-on Exercise

Task1 : print all even numbers between 1 and 100.
Task2 : Simple interest calculator using if.
Task3 : Check for a leap year using the method.
Main program: Menu-driven calculator using switch and methods (add,sub,mul,div).

post -class Assignment:

Write a program to accept student marks and print results using the regarding logic and functions.

1)

```
public class Main
{
	public static void main(String[] args) {
		int arr[]={1,2,3,4,5};
		int Sum=0;
		for(int i=0;i<arr.length;i++)
		{

	Sum=Sum+arr[i];

		}
		System.out.println(Sum);
	}

}
```

Output:

15

2)Using one dimensional array get the data from user and the value of data

```
 import java.util.Scanner;
public class Main
```

```
{
        public static void main(String[] args) {
        Scanner in=new Scanner(System.in);
        System.out.println("Enter the size of array:");
        int n = in.nextInt();
        int[] arr= new int[n];
        for(int i=0;i<n;i++)
        {
           System.out.println("Enter the value:");
           arr[i] = in.nextInt();


        }
        for(int i=0;i<n;i++)
        {
           System.out.println("the value is:"+arr[i]);
        }
        }
}
```

Output:

```
Enter the size of array:
5
Enter the value:
56
Enter the value:
67
Enter the value:
78
Enter the value:
90
Enter the value:
32
the value is:56
the value is:67
the value is:78
the value is:90
the value is:32
```

3)Using two-dimensional array with matrix

```
import java.util.Scanner;
public class Main
{
public static void main(String[] args)
{

   Scanner in = new Scanner(System.in);
   System.out.println("enter the length of row");
   int row=in.nextInt();
   System.out.println("enter the length of column");
   int col=in.nextInt();
   int arr[][]=new int[row][col];
   for (int i=0;i<row;i++)
   {
       for(int j=0;j<col;j++)
       {
       System.out.print("enter the value:");
       arr[i][j]=in.nextInt();

       }
  }
  for(int i=0;i<row;i++)
  {
      for (int j=0;j<col;j++)
      {
          System.out.print(arr[i][j]+" ");
      }
      System.out.println();
  }

}
}
```

Output:

```
enter the length of row
```

2
enter the length of column
2
enter the value:3
enter the value:4
enter the value:5
enter the value:6
3 4
5 6