```
package new_package;

import java.util.Scanner;

public class Assignment3question2 {

    public static void main(String[] args) {
        int m,n,x=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of
students :");
        m=sc.nextInt();
        System.out.println("Enter the size of an
array :");

        n=sc.nextInt();

        int a[]= new int[n];

        for(int i=0; i<a.length; i++) {
            System.out.println("Enter the
element"+i);
```

```
        a[i]=sc.nextInt();

    }

    for(int i=0; i<a.length; i++) {
        x=x+a[i];
    }

    if(x%m==0) {
        System.out.println("YES");
    }
    else {
        System.out.println("NO");
    }
    }

}
```

```
_____________________________________
package new_package;

import java.util.Scanner;

public class Assignment3question1 {

    public static void main(String[] args) {
        int n,m;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number :");
        n=sc.nextInt();

        int a[]= new int[n];

        for(int i=0; i<a.length; i++) {
            System.out.println("Enter the
element"+i);
            a[i]=sc.nextInt();

        }
```

```
        for(int i=0; i<a.length; i++) {
            for(int j=i+1; j<a.length; j++) {
                if(a[i]==a[j]) {
                    System.out.println("No of
duplicate elements is "+a[j]);

                }
            }
        }
    }
}
```

```
package new_package;

import java.util.Scanner;

public class Assignment3question1 {
```

```
    public static void main(String[] args) {
        int n,temp;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number :");
        n=sc.nextInt();

        int a[]= new int[n];

        for(int i=0; i<a.length; i++) {
            System.out.println("Enter the
element"+i);
            a[i]=sc.nextInt();

        }

        //Displaying element before sorting
        for(int i=0; i<a.length; i++) {
            System.out.print(a[i]+" ");


        }
```

```
        for(int i=0; i<a.length; i++) {
            for(int j=i+1; j<a.length; j++) {
                if(a[i]>a[j]) {
                    temp=a[i];
                    a[i]=a[j];
                    a[j]=temp;



                }
            }
        }

        System.out.println();
        //Displaying element after sorting

        for(int i=0;i<a.length;i++) {
            System.out.print(a[i]+" ");

        }
    }
}
```

```
_____
_____
_____
_____
_____
```

```
package new_package;

import java.util.Scanner;

public class Assignment3question4 {

    public static void main(String[] args) {
        int n,m,temp1 = 0,temp2 = 0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the ARUNS
number :");
        n=sc.nextInt();
        int arun[]= new int[n];

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

```
        System.out.println("Enter the
element"+i);
        arun[i]=sc.nextInt();

    }
    //System.out.println("Enter the
NAVEENS number :");
    m=n;
    int naveen[]= new int[m];
    System.out.println("Enter the NAVEENS
number :");

    for(int j=0; j<naveen.length; j++) {
        System.out.println("Enter the
element"+j);
        naveen[j]=sc.nextInt();
        }

    for(int i=0; i<arun.length; i++) {
        temp1=temp1+arun[i];

    }
```

```
        for(int j=0; j<naveen.length; j++) {
            temp2=temp2+naveen[j];
            }

        if(temp1>temp2) {
            System.out.println("Arun wins!");

        }
        else {
            System.out.println("naveen wins!");
        }


    }

}
```

```
package new_package;

import java.util.Scanner;

public class Assignment3question5 {



    private static String max;

    public static void main(String[] args) {
        int n,m,temp;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the row size :");
        n=sc.nextInt();
        System.out.println("Enter the column
size :");
        m=sc.nextInt();

        int a[][]= new int[n][m];
```

```
        for(int i=0; i<n; i++) {
            for(int j=0; j<m; j++) {
                System.out.println("Enter the
element "+i);
                System.out.println("Enter the
element "+j);
                a[i][j]=sc.nextInt();
                }
            }
        System.out.println("Array is :");

        for(int i=0; i<n; i++) {
            for(int j=0; j<m; j++) {
            System.out.println(a[i][j]+"\t");

            }
            System.out.println();
        }

        for(int i=0; i<n; i++) {
            int max=0,minm=999999;
            for(int j=0; j<m; j++) {
```

```
            if(a[i][j]>max) {
                max = a[i][j];

            }
            if(a[i][j]<minm) {
                minm=a[i][j];
            }
            }
        System.out.println("Maximum and
minimum value in"+(i+1)+"th row
is"+max+","+minm);
            }

        for(int j=0; j<m; j++) {
            int max=0,minm=999999;
            for(int i=0; i<n; i++) {
                if(a[i][j]>max) {
                    max = a[i][j];

                }
                if(a[i][j]<minm) {
                    minm=a[i][j];
```

```
                }
                }
        System.out.println("Maximum and
minimum value in"+(j+1)+"th column
is"+max+","+minm);
            }









    }

}
```

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