Day -4 Java Training

```
Pattern program:
import java.util.*;
public class Main
{
       public static void main(String[] args) {
          Scanner sc=new Scanner(System.in);
          int a=sc.nextInt();
          for(int i=1; i \le a; i++){
            for(int j=1; j <= i; j++){
               System.out.print("* ");
            System.out.println();
          }
Pattern Program for:
```

```
1
12
123
1234
import java.util.*;
public class Main
{
    public static void main(String[] args) {
```

```
Scanner in=new Scanner(System.in);
          int n=in.nextInt();
          for(int i=1; i <=n; i++){
            for(int j=1; j <= i; j++){
               System.out.print(j+" ");
            System.out.println();
          }
Pattern Program:
import java.util.*;
public class Main
{
       public static void main(String[] args) {
          Scanner in=new Scanner(System.in);
          int n=in.nextInt();
          for(int i=n;i>=1;i--){
            for(int j=1; j <= i; j++){
               System.out.print("* ");
             }
            System.out.println();
```

Pattern program:

1

\$\$

123

```
$$$$
```

}

}

System.out.println();

```
Program:
```

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        int n = in.nextInt(),c=n;
        for(int i=1;i<=n;i++){</pre>
```

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

```
for(int j=1; j <= i; j++){
                     if(j==1){
                       for(int k=1;k< c;k++){
                         System.out.print(" ");
                       }
                       c--;
                     System.out.print("*");
                  System.out.println();
                }
        }
import java.util.*;
public class Main
{
       public static void main(String[] args) {
          Scanner in=new Scanner(System.in);
          int n=in.nextInt();
          for(int i=1; i <=n; i++){
             for(int j=1; j <= n-i; j++){
               System.out.print(" ");
             }
             for(int k=1; k \le i; k++){
               System.out.print("*");
             }
             System.out.println();
          for(int i=n-1;i>=1;i--){
```

Pyramid pattern program:

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner in=new Scanner(System.in);
        int n=in.nextInt();
        for(int i=1;i<=n;i++){
            for(int j=1;j<=n-i;j++) {
                System.out.print(" ");
            }
            for(int k=1;k<=(2*i-1);k++) {
                      System.out.print("*");
            }
                 System.out.println();
            }
                     System.out.println();
            }
}</pre>
```

```
ARRAYS:
PROGRAM:
import java.util.*;
public class Main
{
       public static void main(String[] args) {
          Scanner in=new Scanner(System.in);
         int n=in.nextInt();
          int a[]=new int[n];
          for(int i=0;i<n;i++){
            a[i]=in.nextInt();
          }
         for(int i=0;i<n;i++){
            if(a[i]\%2==0){
              System.out.print(a[i]+" ");
import java.util.*;
public class Main
{
       public static void main(String[] args) {
          Scanner in=new Scanner(System.in);
          int n=in.nextInt();
          int a[]=new int[n];
         int sum=0;
         for(int i=0;i<n;i++){
            a[i]=in.nextInt();
```

```
}
for(int i=0;i<n;i++){
    sum+=a[i];
}
System.out.print(sum);
}</pre>
```

MAXIMUM AND MINIMUM:

```
import java.util.*;
public class Main
{
       public static void main(String[] args) {
          Scanner sc=new Scanner(System.in);
          int n=sc.nextInt();
          int a[]=new int[n];
          for(int i=0;i<n;i++){
            a[i]=sc.nextInt();
          }
          int sum=0;
          int min=a[0],max=a[0];
          for(int i=1;i < n;i++){
            if(a[i]>max){
               max=a[i];
            if(a[i]{<}min)\{
               min=a[i];
            }
          System.out.println("Maximum: "+max);
```

```
System.out.println("Minimum: "+min);
}
```