```
package loops;
import java.util.*;
public class First {
public static void main(String[] args) {
   Scanner sc=new Scanner(System.in);
   int a=sc.nextInt();
   if(a>0){
      System.out.println("Positive");
   }
   else if(a==0)
   {
      System.out.println("Zero");
   }
   else
   {
      System.out.println("Negative");
   }

}
}
```

```
package loops;
import java.util.*;
public class second {
public static void main(String[] args) {
   Scanner sc=new Scanner(System.in);
   int a=sc.nextInt();
   if(a%2==0){
      System.out.println("even");
   }
   else
   {
      System.out.println("Odd");
   }

}
}
```

```
package loops;
import java.util.Scanner;
public class seven {

public static void main(String[] args) {
// TODO Auto-generated method stub
```

```
Scanner sc=new Scanner(System.in);
char c1 = sc.next().charAt(0);
System.out.println(Character.toUpperCase(c1));
}
}

package loops;
import java.util.Scanner;
public class eight {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
char c1 = sc.next().charAt(0);
switch(c1) {
case('R'):
System.out.println("Red");
 break;
case('G'):
System.out.println("Green");
 break;
case('B'):
System.out.println("Blue");
 break;
case('O'):
System.out.println("Orange");
 break;
case('Y'):
System.out.println("Yellow");
 break;
case('W'):
System.out.println("White");
 break;
 default:
 System.out.println("Invalid code");
}


}

}

package loops;
import java.util.Scanner;
public class nine {
```

```
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int n=sc.nextInt();
switch (n) {

      case 1:
      System.out.println("January");
      break;
      case 2:
      System.out.println("February");
      break;
    case 3:
    System.out.println("March");
    break;

      case 4:
      System.out.println("April");
      break;

      case 5:
      System.out.println("May");

           break;

      case 6:

           System.out.println("June");

           break;

      case 7:

           System.out.println("July");

           break;

      case 8:

           System.out.println("August");

           break;

      case 9:

           System.out.println("September");
```

```
            break;
        case 10:
            System.out.println("October");
            break;
        case 11:
            System.out.println("November");
            break;
        case 12:
            System.out.println("December");
            break;
        default:
            System.out.println("Invalid month.");
            break;
        }
}
}
package loops;
public class ten {
public static void main(String[] args) {
// TODO Auto-generated method stub
for(int i=1;i<=10;i++)
{
System.out.print(i+"        ");
}
}
```

```
}

package loops;

public class eleven {

public static void main(String args[]) {
for(int i=23; i<57; i++) {
if(i%2==0) {
System.out.println(i);
}
}
}

}

package loops;

import java.util.Scanner;

public class tweleve {

public static void main(String args[]){
 int i,m=0,flag=0;
 Scanner sc=new Scanner(System.in);
   int n=sc.nextInt();
 m=n/2;
 if(n==0||n==1){
 System.out.println(n+" is not prime number");
 }else{
 for(i=2;i<=m;i++){
   if(n%i==0){
   System.out.println(n+" is not prime number");
   flag=1;
   break;
   }
 }
 if(flag==0)  {
 System.out.println(n+" is prime number");
 }
 }
}

}

package loops;
```

```
public class thirteen {

public static void main(String[] args) {
int low = 10, high = 99;
        while (low < high) {
        boolean flag = false;
        for(int i = 2; i <= low/2; ++i) {
            if(low % i == 0) {
                flag = true;
                break;
            }
        }
        if (!flag && low != 0 && low != 1)
            System.out.print(low + " ");
        ++low;
     }
  }
}

package loops;
import java.util.Scanner;
public class fifteen {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int n=sc.nextInt();
int s=0;
while(n>0)
{
int k=n%10;
s=s+k;
n=n/10;
}
System.out.println(s);
}

}

package loops;

import java.util.Scanner;

public class sixteen {

public static void main(String[] args) {
```

```
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int n=sc.nextInt();
for ( int i = 1 ; i <=n ; i++ )
    {
        for ( int j = 1 ; j <= i ; j++ )
        {
             System.out.print("*");

        }
        //For new line
        System.out.println();
    }

}

}
```

```
package loops;
import java.util.Scanner;
public class seventeen {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int n=sc.nextInt();
int rev=0;
while(n > 0)
{
int r = n % 10;
rev =rev * 10 + r;
n = n/10;
}
System.out.println(rev);

}
}
```

```
package loops;
import java.util.Scanner;
public class eighteen {



public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
```

```
int n=sc.nextInt();
int rev=0;
int ori=n;
while(n > 0)
{
int r = n % 10;
rev =rev * 10 + r;
n = n/10;
}
if(rev==ori)
System.out.println("Palindrome");
else
{
System.out.println("Not a Palindrome");
}

}

}
```

```
package loops;
import java.util.Scanner;
public class twentytwo {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int k=sc.nextInt();
int n=sc.nextInt();
int a[]=new int[n];
int c=0;
for(int i=0;i<n;i++)
{
a[i]=sc.nextInt();
}
for(int i=0;i<n;i++)
{
if(a[i]==k)
{
System.out.println("Found at index"+i);
c=1;
break;
}
else
{
c=0;
}
```

```
}
if(c==0)
{
System.out.println(-1);
}
}

}

package loops;
import java.util.Scanner;
public class twenty {
public static void main(String[] args) {
// TODO Auto-generated method stub
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 s=0;
float av=0;
for(int i=0;i<n;i++)
{
s=s+a[i];
}
av=s/n;
System.out.println("Sum is"+s+"Avg is"+av);

}

}

package loops;
import java.util.Arrays;
import java.util.Scanner;
public class twentyone {
public static void main(String[] args) {
// TODO Auto-generated method stub
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();
```

```
}
Arrays.sort(a);
System.out.println("Min"+a[0]+"Max"+a[n-1]);

}

}
```

```
package loops;
import java.util.Arrays;
import java.util.Scanner;
public class twentyfour {



public static void main(String[] args) {
// TODO Auto-generated method stub
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();
}
Arrays.sort(a);
System.out.println("1st two Min"+a[0]+" "+a[1]);
System.out.println(" two Max"+a[n-1]+" "+a[n-2]);

}

}
```

```
package loops;

import java.util.Scanner;
public class twentythree {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);

int a[]= {65,67,69,70,71};
int n=a.length;

char c;
for(int i=0;i<n;i++)
{
```

```
int k=a[i];
c=(char)k;
System.out.println(k+"  "+c);
}

}

}

package loops;
import java.util.Scanner;
public class twentysix {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int n=sc.nextInt();
int a[]=new int[n];
int b[]=new int[n];
for(int i=0;i<n;i++)
{
a[i]=sc.nextInt();
}
System.arraycopy(a,0,b,0,a.length);
for(int i=0;i<n;i++)
{
System.out.print(b[i]);
}


}
}

package loops;
import java.util.Arrays;
import java.util.Scanner;
public class twentyfive {
public static void main(String[] args) {
// TODO Auto-generated method stub
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();
}
Arrays.sort(a);
```

```
for(int i=0;i<n;i++)
{
System.out.println(a[i]);
}
}
}
```

```
package loops;
import java.util.Scanner;
public class four {

public static void main(String[] args) {
Scanner sc=new Scanner(System.in);
char c1 = sc.next().charAt(0);
char c2 = sc.next().charAt(0);
if(c1<c2)
{
System.out.println(c1+", "+c2);
}
else
{
System.out.println(c2+", "+c1);
}
}
}
```

```
package loops;
import java.util.*;
public class fourteen {
public static void main(String args[])
{
System.out.println("Please enter an integer number ");
int num,c=1;
Scanner sc=new Scanner(System.in);
num=sc.nextInt();
if(num==0)
c=0;
boolean flag = false;
   for (int i = 2; i <= num / 2; ++i) {
     if (num % i == 0) {
       flag = true;
       break;
     }
   }

   if(c==0)
```

```
   System.out.println("0 is neither prime nor composite.");
   else if (!flag)
     System.out.println(num + " is a prime number.");
   else
     System.out.println(num + " is not a prime number.");

sc.close();
}

}
```

```
package loops;
import java.util.Scanner;
public class five {

public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
char c1 = sc.next().charAt(0);
if((c1>=65 && c1<=90)||(c1>=97 && c1<=122))
{
System.out.println("Alphabet");
}
else if((c1>=48 && c1<=57))
{
System.out.println("Number");
}
else
{
System.out.println("Special charecter");
}


}

}
```

```
package loops;
import java.util.Scanner;
public class six {
public static void main(String[] args) {
// TODO Auto-generated method stub
Scanner sc=new Scanner(System.in);
int age=sc.nextInt();
String gender=sc.next();
if((age>=1 && age<=58) &&(gender.equals("Female")))
```

```
{
System.out.println("percentage of interest is 8.2%.");
}
else if((age>=59 && age<=100) &&(gender.equals("Female")))
{
System.out.println("percentage of interest is 9.2%.");
}
else if((age>=1 && age<=58) &&(gender.equals("Male")))
{
System.out.println("percentage of interest is 8.4%.");
}
else if((age>=59 && age<=100) &&(gender.equals("Male")))
{
System.out.println("percentage of interest is 10.5%.");
}

}
}
```