```
//WAPJ to find biggest of two number by using conditional operator.
import java.util.Scanner;
class Biggest2
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the 1st number ");
         int x=sc.nextInt();
         System.out.print("Enter the 2nd number ");
         int y=sc.nextInt();
         String s=x>y?x+" Is the bigger number":y+" is the bigger number";
         System.out.println(s);
        }
 }


//WAPJ to find biggest of three number by using conditional operator.
import java.util.Scanner;
class Biggest3
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the 1st number ");
         int x=sc.nextInt();
         System.out.print("Enter the 2nd number ");
         int y=sc.nextInt();
         System.out.print("Enter the 3rd number ");
         int z=sc.nextInt();
         String s=x>y?(x>z?x+" Is the biggest number":z+" is the biggest
number"):(y>z?y+" Is the biggest number":z+" is the biggest number");
         System.out.println(s);
        }
 }




//WAPJ to find biggest of four number by using conditional operator.
import java.util.Scanner;
class Biggest4
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the 1st number ");
         int x=sc.nextInt();
         System.out.print("Enter the 2nd number ");
         int y=sc.nextInt();
```

```
         System.out.print("Enter the 3rd number ");
         int z=sc.nextInt();
         System.out.print("Enter the 4th number ");
         int w=sc.nextInt();
         String s=x>y?(x>z?(x>w?x+" Is the biggest number":w+" is the biggest
number"):(z>w?z+" Is the biggest number":w+" is the biggest number")):
                        (y>z?(y>w?y+" Is the biggest number":w+" is the biggest
number"):(z>w?z+" Is the biggest number":w+" is the biggest number"));
         System.out.println(s);
        }
 }
```

```
//Take a character and check whether the character is an alphabet or not
import java.util.Scanner;
class CheckChar
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the character ");
         char x=sc.next().charAt(0);
         String s=((x>'A'&&x<'Z')|(x>'a'&&x<'z'))?"This is an alphabet":"This is
not an alphabet";
         System.out.println(s);
   }
}
```

```
//WAJP to check whether a given character is a lowercase(a to z)or not.
import java.util.Scanner;
class CheckLowerChar
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the character ");
         char x=sc.next().charAt(0);
         String s=(x>'a'&&x<'z')?"This is a lowercase character":"This is not a
lowercase character";
         System.out.println(s);
   }
}
```

```
//WAJP to check whether a number is divisible by 5 and 11 or not.
import java.util.Scanner;
class Divisibility511
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the number: ");
         int x=sc.nextInt();
         String s=(x%5==0&&x%11==0)?x+"  is div by 5 and 11 both":x+"  is not div
by 5 and 11 both";
         System.out.print(s);
        }
}
```

```
//WAJP to input any alphabet and check whether it is vowel or not
import java.util.Scanner;
class CheckVowel
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the a character: ");
         char x=sc.next().charAt(0);
         String
s=(x=='a'||x=='e'||x=='i'||x=='o'||x=='u'||x=='A'||x=='E'||x=='I'||x=='O'||x=='U')?
"This is  a vowel":"This is not a vowel";
         System.out.print(s);
        }
}
```

```
//WAJP to take three sides of a triangle and check whether triangle is valid or
not.
import java.util.Scanner;
class CheckTriangle
{
  public static void main(String[] args)
   {
     Scanner sc=new Scanner(System.in);
         System.out.print("Enter the 1st side: ");
         int x=sc.nextInt();
         System.out.print("Enter the 2nd side: ");
         int y=sc.nextInt();
         System.out.print("Enter the 3rd side: ");
         int z=sc.nextInt();
```

```
        String s=((x+y>z)&&(y+z>x)&&(x+z>y))?"These are the valid sides of
triangle":"This is invalid triangle";
        System.out.print(s);
   }
}
```