```java
/**********************************************************

                 Online Java Compiler.
        Code, Compile, Run and Debug java program online.
   Write your code in this editor and press "Run" button to execute it.

*********************************************************/
//Write a program to calculate the sum and average of all the values stored in the integer a
import java.util.Scanner;
public class Main
{
    public static void main(String[] args) {
        int a[]={1,2,3,5,7};
        int sum=0,avg;
        Scanner sc=new Scanner(System.in);
        for(int i : a)
        {
            sum+=i;
        }
        avg=sum/5;
        System.out.println(sum);
        System.out.println(avg);
    }
}
```

```
18
3

...Program finished with exit code 0
Press ENTER to exit console.
```

▶ Run   ⊙ Debug   ■ Stop   ⏻ Share   💾 Save   {} Beautify

Main java

```java
/*******************************************************************

                    Online Java Compiler.
            Code, Compile, Run and Debug java program online.
Write your code in this editor and press "Run" button to execute it.

*******************************************************************/
//Write a program to create a string array and search particular string in string array

import java.util.Arrays;
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        String a[]={"dog","cat","man"};
        Scanner sc=new Scanner(System.in);
        String s=sc.nextLine();
        for(int i=0;i<a.length;i++)
        {
            if(s.equals(a[i]))
            {
                System.out.println(i);
            }
        }
    }
```

input

```
man
2

...Program finished with exit code 0
Press ENTER to exit console.
```

```java
/***********************************************************

                    Online Java Compiler.
            Code, Compile, Run and Debug java program online.
    Write your code in this editor and press "Run" button to execute it.

***********************************************************/

//Write a program to sort the given integer and string array
import java.util.Arrays;
public class Main
{
    public static void main(String[] args) {
        int a[]={10,30,2,5,6,7};
        String s[]={"dog","rat","cat","man"};
        System.out.println(Arrays.toString(a));
        Arrays.sort(a);
        System.out.println(Arrays.toString(a));
        System.out.println(Arrays.toString(s));
        Arrays.sort(s);
        System.out.println(Arrays.toString(s));


    }
}
```

```
[10, 30, 2, 5, 6, 7]
[2, 5, 6, 7, 10, 30]
[dog, rat, cat, man]
[cat, dog, man, rat]


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
/*******************************************

                 Online Java Compiler.
         Code, Compile, Run and Debug java program online.
  Write your code in this editor and press "Run" button to execute it.

  *******************************************/
//Write a program to sort the given integer and string array
import java.util.Arrays;
public class Main
{
    public static void main(String[] args) {
        int a[]={10,30,2,5,6,7};
        String s[]={"dog","rat","cat","man"};
        System.out.println(Arrays.toString(a));
        Arrays.sort(a);
        System.out.println(Arrays.toString(a));

    }
}
```
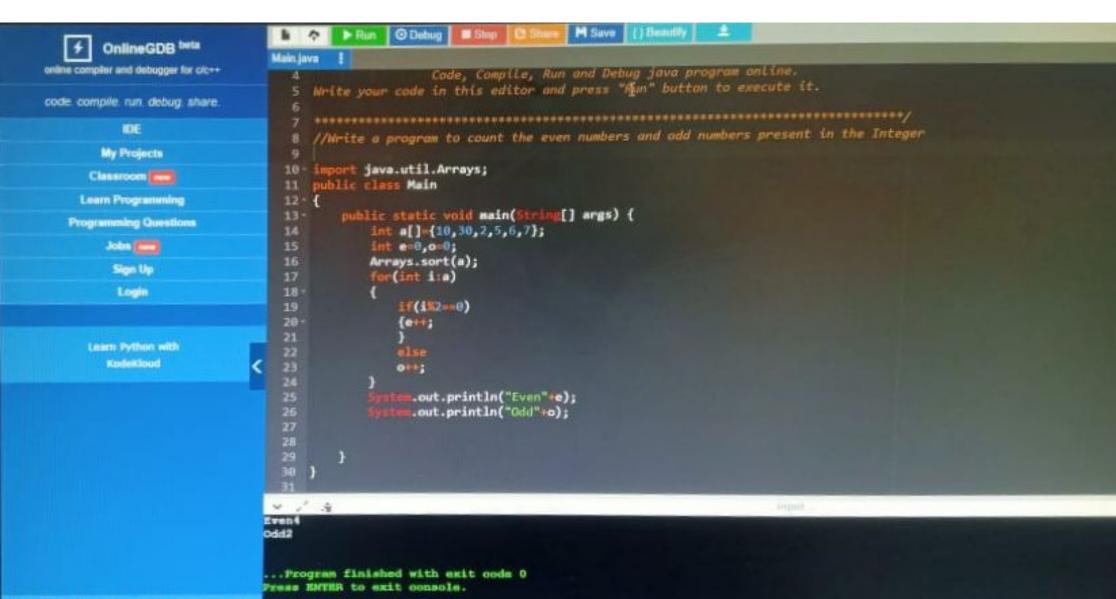
```
[10, 30, 2, 5, 6, 7]
[2, 5, 6, 7, 10, 30]


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
4              Code, Compile, Run and Debug java program online.
5    Write your code in this editor and press "Run" button to execute it.
6
7    ******************************************************************/
8    //Write a program to find min and max of the given integer array in minimum code
9    import java.util.*;
10   public class Main
11   {
12       public static void main(String[] args) {
13           int a[]={10,30,2,5,6,7};
14           Arrays.sort(a);
15           System.out.println("Max"+a[a.length-1]);
16           System.out.println("Min"+a[0]);
17
18
19       }
20   }
21
```

input

```
Max30
Min2


...Program finished with exit code 0
Press ENTER to exit console.
```

```
 3                         Online Java Compiler.
 4              Code, Compile, Run and Debug java program online.
 5      Write your code in this editor and press "Run" button to execute it.
 6
 7      **************************************************************/
 8      //Demonstrate for-each loop for array
 9      import java.util.Scanner;
10      public class Main
11      {
12          public static void main(String[] args) {
13              int a[]={1,2,3,4,5};
14              Scanner sc=new Scanner(System.in);
15              System.out.print("Enter number");
16              for(int i : a)
17              System.out.println(i);
18          }
19      }
20
```

```
Enter number1
2
3
4
5


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
3          Online Java Compiler.
4               Code, Compile, Run and Debug java program online.
5    Write your code in this editor and press "Run" button to execute it.
6
7    **************************************************************/
8    //Write a program to calculate the sum and average of all the values stored in the integer array
9    import java.util.Scanner;
10   public class Main
11   {
12       public static void main(String[] args) {
13           int a[]={1,2,3,5,7};
14           int sum=0;
15           double avg=0;
16           Scanner sc=new Scanner(System.in);
17           for(int i : a)
18           {
19               sum+=i;
20           }
21           avg=sum/a.length;
22           System.out.println("Sum"+sum);
23           System.out.println("Avg"+avg);
24       }
25   }
26
```

```
Sum18
Avg3.0


...Program finished with exit code 0
Press ENTER to exit console.
```

▶ Run    ⊙ Debug    ■ Stop    ⬀ Share    ⊮ Save    {} Beautify    ⬆

Main.java

```java
            Code, Compile, Run and Debug java program online.
    Write your code in this editor and press "Run" button to execute it.


    *******************************************************************/
    //Write a program to count the even numbers and odd numbers present in the Integer

    import java.util.Arrays;
    public class Main
    {
        public static void main(String[] args) {
            int a[]={10,30,2,5,6,7};
            int e=0,o=0;
            Arrays.sort(a);
            for(int i:a)
            {
                if(i%2==0)
                {e++;
                }
                else
                o++;
            }
            System.out.println("Even"+e);
            System.out.println("Odd"+o);


        }
    }
```

```
Even4
Odd2

...Program finished with exit code 0
Press ENTER to exit console.
```

```java
/****************************************************************/
//Demonstrate for-each loop for array
import java.util.Scanner;
public class Main
{
    public static void main(String[] args) {
        String a[]={"dog","cat","man"};
        Scanner sc=new Scanner(System.in);
        for(String i : a)
        System.out.println(i);
    }
}
```

```
dog
cat
man

...Program finished with exit code 0
Press ENTER to exit console.
```

```java
                                                        */
//write a program to initialise the array and display it
import java.util.Scanner;
public class Main
{
    public static void main(String[] args) {
        int a[]=new int[10];
        Scanner sc=new Scanner(System.in);
        System.out.print("Enter number");
        for(int i=0;i<a.length;i++)
        {

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

```
Enter number1 2 3 4 5 6 7 8 9 10
1 2 3 4 5 6 7 8 9 10

...Program finished with exit code 0
Press ENTER to exit console.
```