

eclipse-workspace - Top20Codes/src/Sum1.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - JRE System Library [Jav]
  - src
    - (default package)
      - Sum1.java

Sum1.java

```
1 //Sum of numbers from 1 to N
2
3 import java.util.*;
4 public class Sum1 {
5     public static void main(String[] args)
6     {
7         Scanner s=new Scanner(System.in);
8         int n=s.nextInt();
9         //method 1
10        System.out.println((n*(n+1))/2);
11        //method 2
12        int res=0;
13        for(int i=1;i<=n;i++)
14            res+=i;
15        System.out.println(res);
16        s.close();
17    }
18 }
19
20
```

Console

<terminated> Sum1 [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 2:26:25 PM - 2:26:27 PM)

```
10
55
55
```

eclipse-workspace - Top20Codes/src/RevString.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

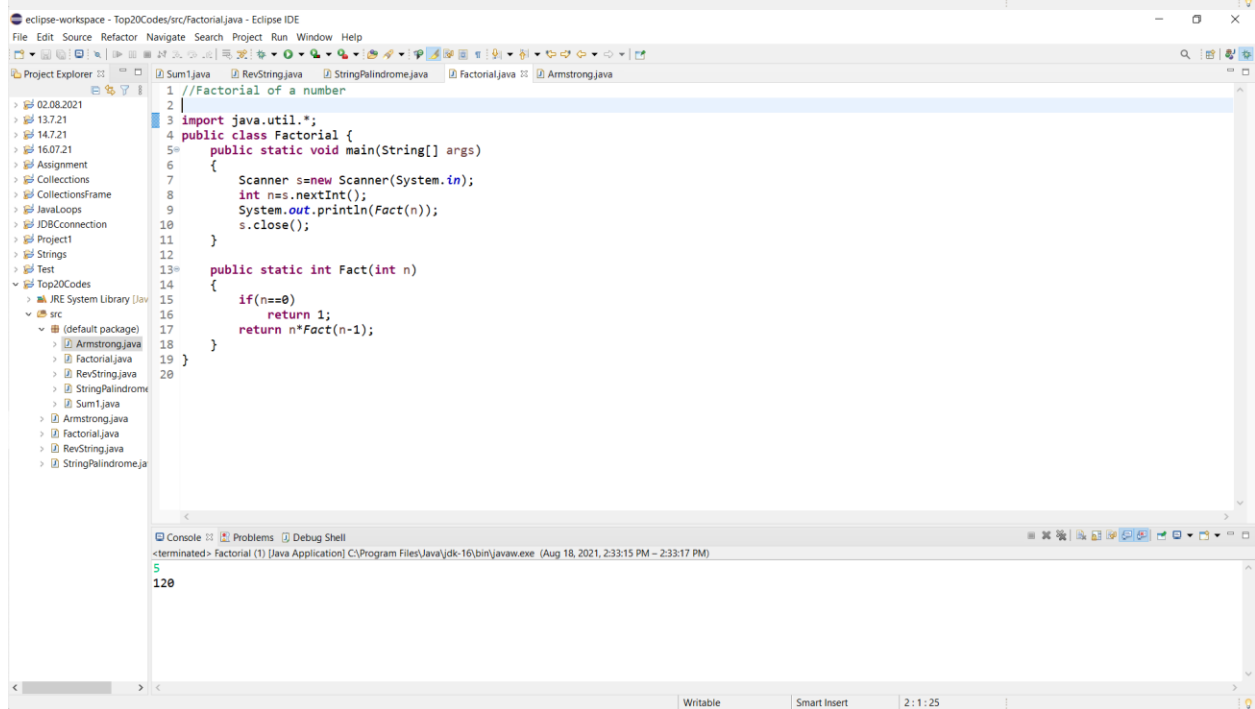
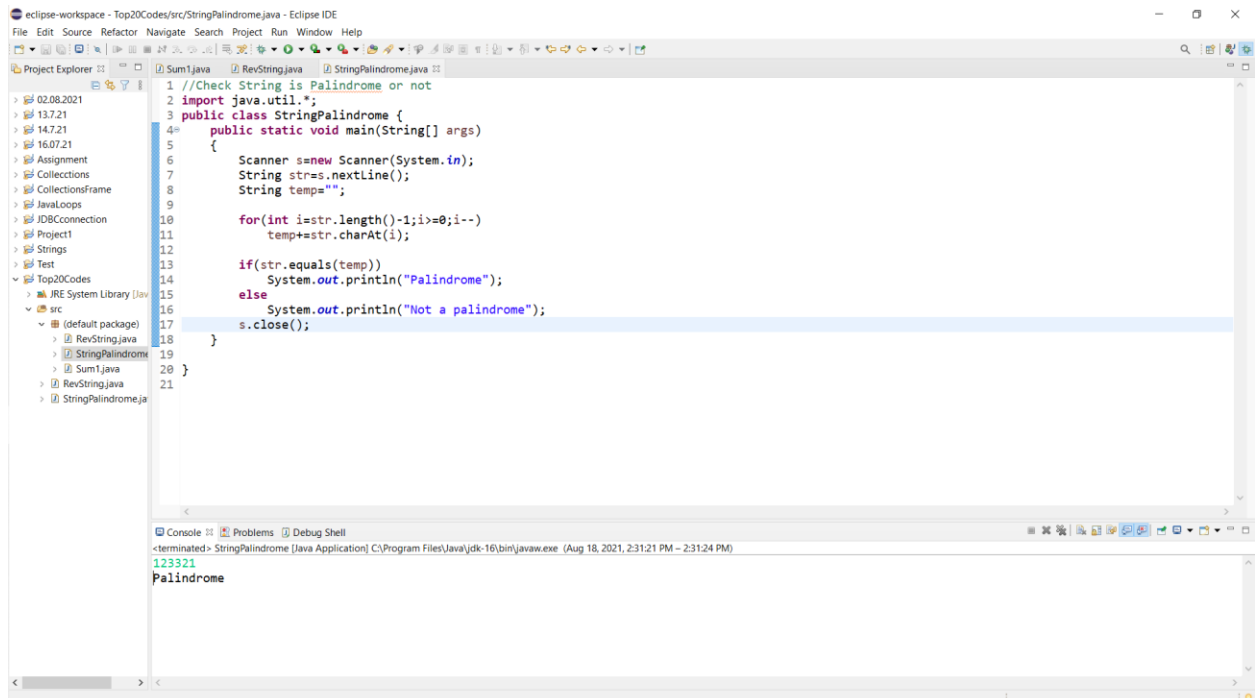
- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - JRE System Library [Jav]
  - src
    - (default package)
      - RevString.java
      - Sum1.java
      - RevString.java

RevString.java

```
1 //Reverse a string Without using any methods
2 import java.util.*;
3 public class RevString {
4     public static void main(String[] args)
5     {
6         Scanner s=new Scanner(System.in);
7         String str=s.nextLine();
8         String temp="";
9         for(int i=str.length()-1;i>=0;i--)
10             temp+=str.charAt(i);
11         System.out.println(temp);
12         s.close();
13     }
14 }
15
16
```

Console

RevString [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 2:29:10 PM)



eclipse-workspace - Top20Codes/src/Armstrong.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - RevString.java
      - StringPalindrome.java
      - Sum1.java
      - Armstrong.java
      - Factorial.java
      - RevString.java
      - StringPalindrome.java

```
1 //Armstrong Number or not
2 //Number = Sum of all digits Power length of digits.
3 //153 = 1^3 + 5^3 + 3^3
4 //1634 = 1^4 + 6^4 + 3^4 + 4^4
5 import java.util.*;
6 public class Armstrong {
7     public static void main(String[] args)
8     {
9         Scanner s=new Scanner(System.in);
10        int n=s.nextInt();
11        if(n==Arms(n))
12            System.out.println("Armstrong number");
13        else
14            System.out.println("Not a Armstrong number");
15        s.close();
16    }
17    public static int Arms(int n)
18    {
19        String s=String.valueOf(n);
20        int res=0;
21        while(n>0)
22        {
23            res+=Math.pow(n%10,s.length());
24            n/=10;
25        }
26        return res;
27    }
28 }
29
30
```

Console

<terminated> Armstrong (1) [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 2:42:18 PM - 2:42:21 PM)

111

Not a Armstrong number

eclipse-workspace - Top20Codes/src/PrimeRange.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - PrimeRange.java
      - RevString.java
      - StringPalindrome.java
      - Sum1.java
      - Armstrong.java
      - Factorial.java
      - PrimeRange.java
      - RevString.java
      - StringPalindrome.java

```
1 //Find prime numbers in the given range
2 //1-10= 2,3,5,7
3 import java.util.*;
4 public class PrimeRange {
5     public static void main(String[] args)
6     {
7         Scanner s=new Scanner(System.in);
8         int num1=s.nextInt();
9         int num2=s.nextInt();
10        for(int i=num1;i<=num2;i++)
11        {
12            if(Prime(i))
13                System.out.print(i+" ");
14        }
15        s.close();
16    }
17    public static boolean Prime(int n)
18    {
19        if(n<=1)
20            return false;
21        for(int i=2;i<n;i++)
22        {
23            if(n%i==0)
24                return false;
25        }
26        return true;
27    }
28 }
29
```

Console

<terminated> PrimeRange [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 2:48:14 PM - 2:48:17 PM)

1 100

2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97

eclipse-workspace - Top20Codes/src/Swaping.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - PrimeRange.java
      - RevString.java
      - StringPalindrome
      - Sum1.java
      - Swaping.java

Swaping.java

```
1 //Swapping of two numbers without using temp variable
2 import java.util.*;
3 public class Swaping {
4
5     public static void main(String[] args)
6     {
7         Scanner s=new Scanner(System.in);
8         int num1=s.nextInt();
9         int num2=s.nextInt();
10
11         num1=num1+num2;
12         num2=num1-num2;
13         num1=num1-num2;
14         System.out.println(num1+" "+num2);
15         s.close();
16     }
17 }
18
19
```

Console

<terminated> Swaping [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 2:54:51 PM - 2:54:55 PM)

```
1 2
2 1
```

eclipse-workspace - Top20Codes/src/Revnum.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - PrimeRange.java
      - Revnum.java
      - RevString.java
      - StringPalindrome
      - Sum1.java
      - Swaping.java

Revnum.java

```
1 //Reversing of number
2 //1234 == 4321
3 import java.util.*;
4 public class Revnum
5 {
6     public static void main(String[] args)
7     {
8         Scanner s=new Scanner(System.in);
9         int n=s.nextInt();
10        int res=0;
11        while(n>0)
12        {
13            res=res*10+n%10;
14            n/=10;
15        }
16        System.out.println(res);
17        s.close();
18    }
19 }
20
21
```

Console

<terminated> Revnum [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 2:57:43 PM - 2:57:47 PM)

```
1234
4321
```

eclipse-workspace - Top20Codes/src/FactorsOfNumber.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - FactorsOfNumber.java
      - PrimeRange.java
      - RevNum.java
      - RevString.java
      - StringPalindrome.java
      - Sum1.java
      - Swaping.java

1 // factors of a number  
2 // 6 = 1 2 3 6  
3 import java.util.\*;  
4 public class FactorsOfNumber  
5 {  
6 public static void main(String[] args)  
7 {  
8 Scanner s=new Scanner(System.in);  
9 int n=s.nextInt();  
10 for(int i=1;i<=n;i++)  
11 {  
12 if(n%i==0)  
13 System.out.print(i+" ");  
14 }  
15 s.close();  
16 }  
17 }  
18 }  
19 }

Console Problems Debug Shell

<terminated> FactorsOfNumber [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:02:40 PM - 3:02:43 PM)

6  
1 2 3 6

eclipse-workspace - Top20Codes/src/Fibonacci.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - FactorsOfNumber.java
      - Fibonacci.java
      - PrimeRange.java
      - RevNum.java
      - RevString.java
      - StringPalindrome.java
      - Sum1.java
      - Swaping.java

1 // Fibonacci series for a range  
2 // 9 = 0 1 1 2 3 5 8 13 21  
3 // 0+1=1  
4 // 1+1=2  
5 // 1+2=3 .....  
6 import java.util.\*;  
7 public class Fibonacci {  
8 public static void main(String[] args)  
9 {  
10 Scanner s=new Scanner(System.in);  
11 int n=s.nextInt();  
12 int a=0;  
13 int b=1;  
14 System.out.print(a+" "+b+" ");  
15 for(int i=3;i<=n;i++)  
16 {  
17 int temp=a+b;  
18 a=b;  
19 b=temp;  
20 System.out.print(b+" ");  
21 }  
22 s.close();  
23 }  
24 }  
25 }  
26 }

Console Problems Debug Shell

<terminated> Fibonacci [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:08:17 PM - 3:08:19 PM)

9  
0 1 1 2 3 5 8 13 21

eclipse-workspace - Top20Codes/src/NumberofVowels.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Armstrong.java
      - Factorial.java
      - FactorsOfNumber.java
      - Fibonacci.java
      - NumberofVowels.java
      - PrimeRange.java
      - Revmum.java
      - RevString.java
      - StringPalindrome.java
      - Sum1.java
      - Swaping.java

```
1 //Number of Vowels and Consonants in a given String.
2 //balaji
3 //Vowel count:3 (a,a,i)
4 //Consonant count: 3 (b,l,j)
5 import java.util.*;
6 public class NumberofVowels {
7     public static void main(String[] args)
8     {
9         Scanner s=new Scanner(System.in);
10        String str=s.nextLine();
11        String check="aeiouAEIOU";
12        int vocount=0;
13        for(int i=0;i<str.length();i++)
14        {
15            if(check.contains(str.substring(i,i+1)))
16                vocount++;
17        }
18        int cocount=str.length()-vocount;
19        System.out.println("Vowel count :"+vocount);
20        System.out.println("Consonant count :"+cocount);
21        s.close();
22    }
23 }
24
25
```

Console Problems Debug Shell

<terminated> NumberofVowels [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:15:45 PM - 3:15:45 PM)

akash  
Vowel count :2  
Consonant count :3

eclipse-workspace - Top20Codes/src/Anagram.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library [Java]
  - src
    - (default package)
      - Anagram.java
      - Armstrong.java
      - Factorial.java
      - FactorsOfNumber.java
      - Fibonacci.java
      - NumberofVowels.java
      - PrimeRange.java
      - Revmum.java
      - RevString.java
      - StringPalindrome.java
      - Sum1.java
      - Swaping.java

```
1 // Check Two strings are anagrams or not;
2 // fired = fried is a anagram
3 // gainly = laying is a anagram
4 import java.util.*;
5 public class Anagram
6 {
7     public static void main(String[] args)
8     {
9         Scanner s=new Scanner(System.in);
10        String str1=s.nextLine();
11        String str2=s.nextLine();
12        if(Sorted(str1).equals(Sorted(str2)))
13            System.out.println("Anagrams");
14        else
15            System.out.println("Not a anagrams");
16        s.close();
17    }
18    public static String Sorted(String s)
19    {
20        char a[]=s.toCharArray();
21        for(int i=0;i<a.length;i++)
22        {
23            for(int j=i+1;j<a.length;j++)
24            {
25                if(a[i]>a[j])
26                {
27                    char temp=a[i];
28                    a[i]=a[j];
29                    a[j]=temp;
30                }
31            }
32        }
33        return String.valueOf(a);
34    }
35 }
36
```

Console Problems Debug Shell

<terminated> Anagram [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:24:38 PM - 3:24:47 PM)

balaji

Writable Smart Insert 34 : 6 : 720

eclipse-workspace - Top20Codes/src/NumbersInString.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library
  - src
    - (default package)
      - Anagram.java
      - Armstrong.java
      - Factorial.java
      - FactorsOfNum
      - Fibonacci.java
      - NumerofVow
      - NumbersInStr
      - PrimeRange.java
      - Revnum.java
      - RevString.java
      - StringPalindrc
      - Sum1.java
      - Swapping.java
      - Anagram.java
      - Armstrong.java
      - Factorial.java
      - FactorsOfNumbe
      - Fibonacci.java
      - NumerofVowel
      - NumbersinString
      - PrimeRange.java
      - Revnum.java
      - RevString.java

NumbersInString.java

```
1//Program to find the number of numericas in a String
2// b12bkj23 = 4 (1,2,2,3);
3import java.util.*;
4public class NumbersinString {
5    public static void main(String[] args)
6    {
7        Scanner s=new Scanner(System.in);
8        String str=s.nextLine();
9        int numcount=0;
10       for(int i=0;i<str.length();i++)
11       {
12           if(str.charAt(i)>='0' && str.charAt(i)<='9')
13               numcount++;
14       }
15       System.out.println(numcount);
16       s.close();
17   }
18 }
19 }
20 }
```

Console

<terminated> NumbersinString [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:31:28 PM - 3:31:41 PM)

b12jnk345432

eclipse-workspace - Top20Codes/src/CountChar.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - IRE System Library
  - src
    - (default package)
      - Anagram.java
      - Armstrong.java
      - CountChar.java
      - Factorial.java
      - FactorsOfNum
      - Fibonacci.java
      - NumerofVow
      - NumbersinStr
      - PrimeRange.j
      - Revnum.java
      - RevString.java
      - StringPalindrc
      - Sum1.java
      - Swapping.java
      - Anagram.java
      - Armstrong.java
      - CountChar.java
      - Factorial.java
      - FactorsOfNumbe
      - Fibonacci.java
      - NumerofVowel
      - NumbersinString
      - PrimeRange.java

CountChar.java

```
1//Number of occurrence of a character in a String
2// Java Programming, 'a' = 3
3import java.util.*;
4public class CountChar {
5    public static void main(String[] args)
6    {
7        Scanner s=new Scanner(System.in);
8        String str=s.nextLine();
9        char ch=s.next().charAt(0);
10       int count=0;
11       for(int i=0;i<str.length();i++)
12       {
13           if(str.charAt(i)==ch)
14               count++;
15       }
16       System.out.println(count);
17       s.close();
18   }
19 }
20 }
21 }
```

Console

<terminated> CountChar [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:36:47 PM - 3:36:58 PM)

java programming

a

eclipse-workspace - Top20Codes/src/firstcharNrepeated.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

CountChar.java firstcharNrepeated.java

```
1//check first Character of the string is not repeated
2// java == Not repeated
3// first letter is 'j' and it is not repeated again in 'java'
4import java.util.*;
5public class firstcharNrepeated {
6    public static void main(String[] args)
7    {
8        Scanner s=new Scanner(System.in);
9        String str=s.nextLine();
10        char ch=str.charAt(0);
11        int count=0;
12        for(int i=1;i<str.length();i++)
13        {
14            if(str.charAt(i)==ch)
15            {
16                count++;
17                break;
18            }
19        }
20        if(count==0)
21            System.out.println("Not repeated");
22        else
23            System.out.println("Repeated");
24        s.close();
25    }
26 }
27
28
29
```

Console Problems Debug Shell

<terminated> firstcharNrepeated [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:42:27 PM - 3:42:30 PM)

akash  
Repeated

eclipse-workspace - Top20Codes/src/Array1to100.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

firstcharNrepeated.java Array1to100.java

```
1//Missing number in an array that contains integers from 1 to 20
2public class Array1to100 {
3    public static void main(String[] args)
4    {
5        int a[]={1,3,5,7,12,14,19,2,20,18};
6        for(int i=1;i<=20;i++)
7        {
8            int count=0;
9            for(int j=0;j<a.length;j++)
10            {
11                if(a[j]==i)
12                    count++;
13            }
14            if(count==0)
15                System.out.print(i+" ");
16        }
17    }
18 }
19
```

Console Problems Debug Shell

<terminated> Array1to100 [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 3:58:51 PM - 3:58:51 PM)

4 6 8 9 10 11 13 15 16 17

Writable Smart Insert 9:40:258



eclipse-workspace - Top20Codes/src/DeleteRepeat.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes
  - JRE System Library
  - (default package)
    - Anagram.java
    - Armstrong.java
    - Array1to100.java
    - CountChar.java
    - DeleteRepeat.java
    - Factorial.java
    - FactorsOfNum
    - Fibonacci.java
    - firstcharRepe
    - NumberOfVow
    - NumbersinStr
    - PrimeRange.java
    - Revmum.java
    - RevString.java
    - StringPalindrom
    - Sum1.java
    - Swaping.java

Array1to100.java

DeleteRepeat.java

```
1 //Delete the repeated elements in an integer array
2 import java.util.*;
3 public class DeleteRepeat {
4     public static void main(String[] args) {
5         int a[] = {1,1,4,4,5,6,7,3,7};
6         //Method 1
7         int b[] = new int[a.length];
8         int m = 0;
9         for(int i=0; i<a.length; i++)
10            {
11                int count=0;
12                for(int j=0; j<m; j++)
13                {
14                    if(a[i]==b[j])
15                    {
16                        count++;
17                        break;
18                    }
19                }
20                if(count==0)
21                {
22                    b[m++] = a[i];
23                }
24            }
25            for(int i=0; i<m; i++)
26            {
27                System.out.print(b[i]+" ");
28            }
29            //Method 2: using Collections
30            HashSet<Integer> li = new HashSet<>();
31            for(int i:a)
32            {
33                li.add(i);
34            }
35            System.out.print("\n"+li);
36        }
37    }
```

Console

terminated - DeleteRepeat [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 4:11:17 PM - 4:11:18 PM)

1 4 5 6 7 3  
[1, 3, 4, 5, 6, 7]

eclipse-workspace - Top20Codes/src/MaxandMin.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- Project1
- Strings
- Test
- Top20Codes
  - JRE System Library [JavaSE-15]
  - (default package)
    - Anagram.java
    - Armstrong.java
    - Array1to100.java
    - CountChar.java
    - DeleteRepeat.java
    - Factorial.java
    - FactorsOfNumber.java
    - Fibonacci.java
    - firstcharRepeated.java
    - MaxandMin.java
    - NumberOfVowels.java
    - NumbersinString.java
    - PrimeRange.java
    - Revmum.java
    - RevString.java
    - StringPalindrome.java
    - Sum1.java
    - Swaping.java

MaxandMin.java

```
1 //Find the largest and smallest element of an unsorted array
2 import java.util.*;
3 public class MaxandMin {
4     public static void main(String[] args) {
5         Scanner s = new Scanner(System.in);
6         int n = s.nextInt();
7         int a[] = new int[n];
8         for(int i=0; i<n; i++)
9         {
10             a[i] = s.nextInt();
11         }
12         for(int i=0; i<n; i++)
13         {
14             for(int j=i+1; j<n; j++)
15             {
16                 if(a[i]>a[j])
17                 {
18                     int temp = a[i];
19                     a[i] = a[j];
20                     a[j] = temp;
21                 }
22             }
23         }
24         System.out.println("Max Value:" + a[n-1]);
25         System.out.println("Min Value:" + a[0]);
26         s.close();
27     }
28 }
```

Console

terminated - MaxandMin [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 4:16:53 PM - 4:17:17 PM)

6  
4 6 3 2 9 1  
Max Value:9  
Min Value:1

eclipse-workspace - Top20Codes/src/SecondLargest.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- Project1
- Strings
- Test
- Top20Codes
  - JRE System Library [JavaSE-15]
  - src
    - (default package)
      - Anagram.java
      - Armstrong.java
      - Array1to100.java
      - CountChar.java
      - DeleteRepeat.java
      - Factorial.java
      - FactorsOfNumber.java
      - Fibonacci.java
      - firstCharRepeated.java
      - MaxandMin.java
      - NumberOfVowels.java
      - NumbersinString.java
      - PrimeRange.java
      - Revnum.java
      - RevString.java
      - SecondLargest.java
      - StringPalindrome.java
      - Sum1.java
      - Swaping.java

SecondLargest.java

```
1 //Find the second largest element in the array
2 import java.util.*;
3 public class SecondLargest {
4     public static void main(String[] args) {
5         Scanner s=new Scanner(System.in);
6         int n=s.nextInt();
7         int a[]=new int[n];
8         for(int i=0;i<n;i++)
9         {
10             a[i]=s.nextInt();
11         }
12         for(int i=0;i<n;i++)
13         {
14             for(int j=i+1;j<n;j++)
15             {
16                 if(a[i]>a[j])
17                 {
18                     int temp=a[i];
19                     a[i]=a[j];
20                     a[j]=temp;
21                 }
22             }
23         }
24         System.out.println(a[n-2]);
25         s.close();
26     }
27 }
```

Console

<terminated> SecondLargest [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 4:19:44 PM - 4:19:47 PM)

```
6
4 6 3 2 9 1
6
```

eclipse-workspace - Top20Codes/src/DuplicateChar.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

- 02.08.2021
- 13.7.21
- 14.7.21
- 16.07.21
- Assignment
- Collections
- CollectionsFrame
- JavaLoops
- JDBCConnection
- Project1
- Strings
- Test
- Top20Codes

CountChar.java

```
1 //print duplicate characters String in a String
2 // Java = a
3 // malayalam = mal
4 import java.util.*;
5 public class DupliacateChar {
6     public static void main(String[] args)
7     {
8         Scanner s=new Scanner(System.in);
9         String str=s.nextLine();
10        String res="";
11        for(int i=0;i<str.length();i++)
12        {
13            for(int j=i+1;j<str.length();j++)
14            {
15                if(str.charAt(i)==str.charAt(j))
16                {
17                    if(!res.contains(String.valueOf(str.charAt(i))))
18                        res+=str.charAt(i);
19                }
20            }
21        }
22        System.out.println(res);
23        s.close();
24    }
25 }
26 }
27 }
```

Console

<terminated> DupliacateChar [Java Application] C:\Program Files\Java\jdk-16\bin\javaw.exe (Aug 18, 2021, 7:45:35 PM - 7:45:40 PM)

```
aabbbsbbjkhkiughsdjhugywiojndbhs
absjhiugd
```