

1. Program to Sort strings

```
package sample;

public class sortstring {

    public static void main(String[] args)

    {

        String names[]={ "amal", "jyothi", "college", "of", "engineering"};

        String temp;

        int n= names.length;

        int i;

        int j;

        for(i=0;i<n;i++)

        {

            for(j=i+1;j<n;j++)

            {

                if(names[i].compareTo(names[j])>0)

                {

                    temp=names[i];

                    names[i]=names[j];

                    names[j]=temp;

                }

            }

        }

        System.out.println("the sorted array of string is :");

        for(i=0;i<n;i++)

        {

            System.out.println(names[i]);

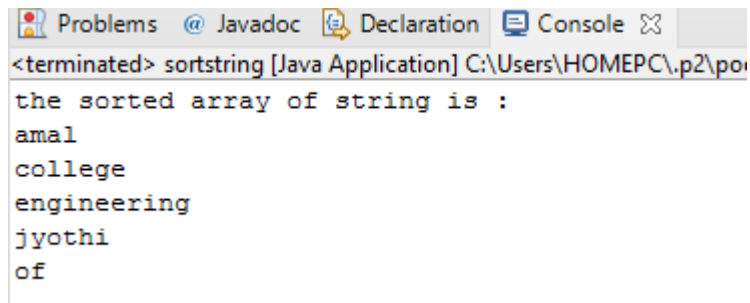
        }

    }

}
```

```
}  
  
}  
  
}
```

OUTPUT



```
<terminated> sortstring [Java Application] C:\Users\HOMEPC\.p2\poi  
the sorted array of string is :  
amal  
college  
engineering  
jyothi  
of
```

2. Search an element in an array.

```
package sample;  
  
import java.util.*;  
  
public class searchele{  
  
    public static void main(String[] args) {  
        int n,i,b,flag=0;  
        Scanner s=new Scanner(System.in);  
        System.out.println("enter the number of elements for the array :");  
        n=s.nextInt();  
        int a[]=new int[n];  
        System.out.println("enter the elements of the array :");  
        for(i=0;i<n;i++)  
        {  
            a[i]=s.nextInt();  
        }  
        System.out.println("enter the element u want to search :");  
        b=s.nextInt();  
        for(i=0;i<n;i++)
```

```
{  
  
    if (a[i]==b)  
    {  
        flag=1;  
        break;  
    }  
  
    else  
    {  
        flag=0;  
    }  
}  
  
    if (flag==1)  
    {  
        System.out.println("element found at position :"+(i+1));  
    }  
  
    else  
    {  
        System.out.println("element not found");  
    }  
}  
  
}
```

OUTPUT

```
Problems @ Javadoc Declaration C
<terminated> searchele [Java Application] C:\Users
enter the number of elements for 1
5
enter the elements of the array :
2
3
4
6
7
enter the element u want to search
6
element found at position :4
```

3. Perform string manipulations

```
package sample;

public class Sample_String {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        String str_Sample = "superhero";

        System.out.println("Length of String: " + str_Sample.length());

        System.out.println("Character at position 5: " +
str_Sample.charAt(5));

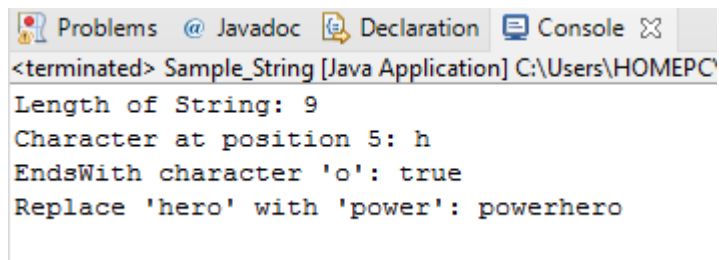
        System.out.println("EndsWith character 'o': " +
str_Sample.endsWith("o"));

        System.out.println("Replace 'hero' with 'power': " +
str_Sample.replace("super", "power"));

    }}

```

OUTPUT



The screenshot shows an IDE window with tabs for Problems, Javadoc, Declaration, and Console. The Console tab is active, displaying the output of the Java application. The output consists of four lines: the length of the string (9), the character at index 5 ('h'), whether the string ends with 'o' (true), and the result of replacing 'super' with 'power' (powerhero).

```
<terminated> Sample_String [Java Application] C:\Users\HOMEPC\
Length of String: 9
Character at position 5: h
EndsWith character 'o': true
Replace 'hero' with 'power': powerhero
```

5. Program to create a class for Employee having attributes eNo, eName eSalary.
Read n

employ information and Search for an employee given eNo, using the concept of
Array of

Objects.

```
package sample;

import java.util.*;

public class employee {

    int eNo;

    String eName;

    int eSalary;

    public void read(){

        Scanner sc= new Scanner(System.in);

        System.out.print("Enter ID : ");

        eNo = Integer.parseInt(sc.nextLine());

        System.out.print("Enter Name : ");

        eName = sc.nextLine();

        System.out.print("Enter monthly salary : ");

        eSalary = Integer.parseInt(sc.nextLine());

    }

    public void display(){

        System.out.println("Name : "+ eName );

    }

}
```

```

public static void main(String[] args) {

    int i,n=3;

    int No;

    employee emp[] = new employee[n];

    for(i=0;i<n;i++){

        emp[i] = new employee();

        emp[i].read();

    }

    System.out.println("Search");

    while(true) {

        Scanner sc= new Scanner(System.in);

        System.out.print("Enter ID : ");

        No = Integer.parseInt(sc.nextLine());

        for(i=0;i<n;i++){

            if(emp[i].eNo == No){

                emp[i].display();

                break;

            }

        }

    }

}

}

```

OUTPUT

Problems @ Javadoc Declaration Console

employee [Java Application] C:\Users\HOMEPC\.p2\pool\plugins\org.eclipse.jus

Enter ID : 1001
Enter Name : ashish
Enter monthly salary : 25000
Enter ID : 101
Enter Name : wilson
Enter monthly salary : 30000
Enter ID : 102
Enter Name : anu
Enter monthly salary : 50000
Search
Enter ID : 101
Name : wilson
Enter ID : 1001
Name : ashish
Enter ID :