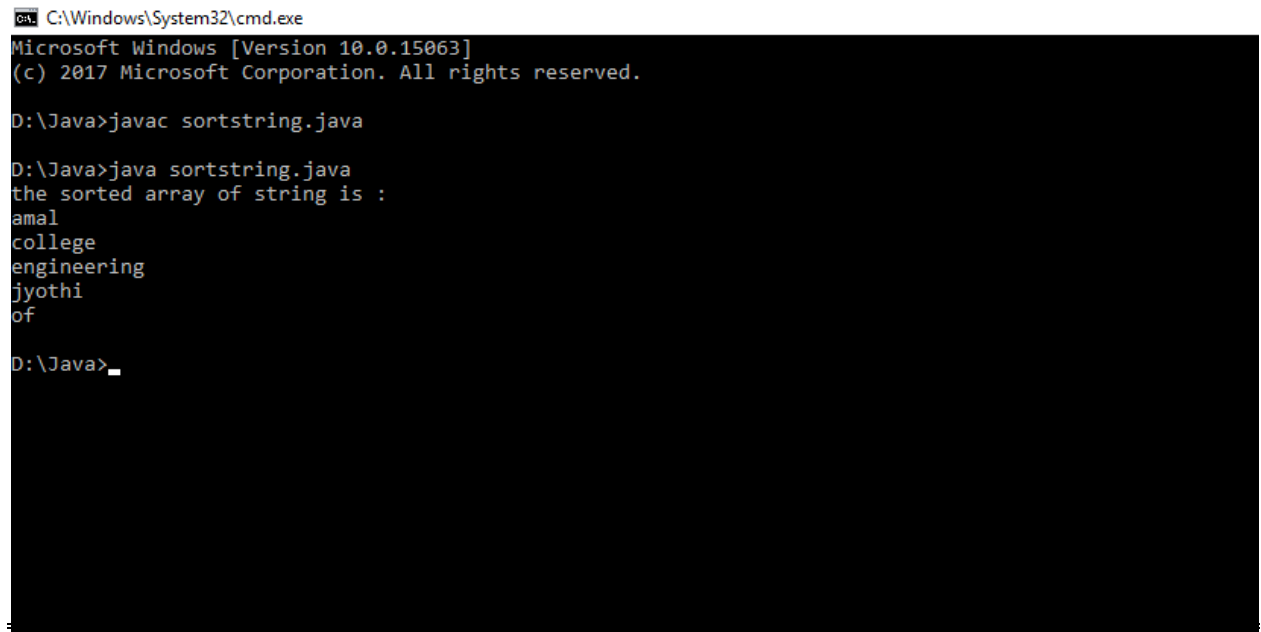


1)

```
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



```
C:\Windows\System32\cmd.exe  
Microsoft Windows [Version 10.0.15063]  
(c) 2017 Microsoft Corporation. All rights reserved.  
  
D:\Java>javac sortstring.java  
  
D:\Java>java sortstring.java  
the sorted array of string is :  
amal  
college  
engineering  
jyothi  
of  
  
D:\Java>_
```

2)

```
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

C:\> Select C:\Windows\System32\cmd.exe - java searchele.java

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

D:\Java>javac searchele.java

D:\Java>java searchele.java
enter the number of elements for the array :
3
enter the elements of the array :
2
```

3)

```
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

```

Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

D:\Java>javac employee.java

D:\Java>java employee.java
Error: Could not find or load main class employee.java
Caused by: java.lang.ClassNotFoundException: employee.java

D:\Java>javac employee.java

D:\Java>java employee.java
Enter ID : 101
Enter Name : ann
Enter monthly salary : 2000
Enter ID : 102
Enter Name : anu
Enter monthly salary : 4000p

```

4)

```
import java.util.*;

class examp
{
    public static void main(String[] agr){
        Scanner sc=new Scanner (System.in);

        System .out.print("Enter the first number:");

        int a= sc.nextInt();

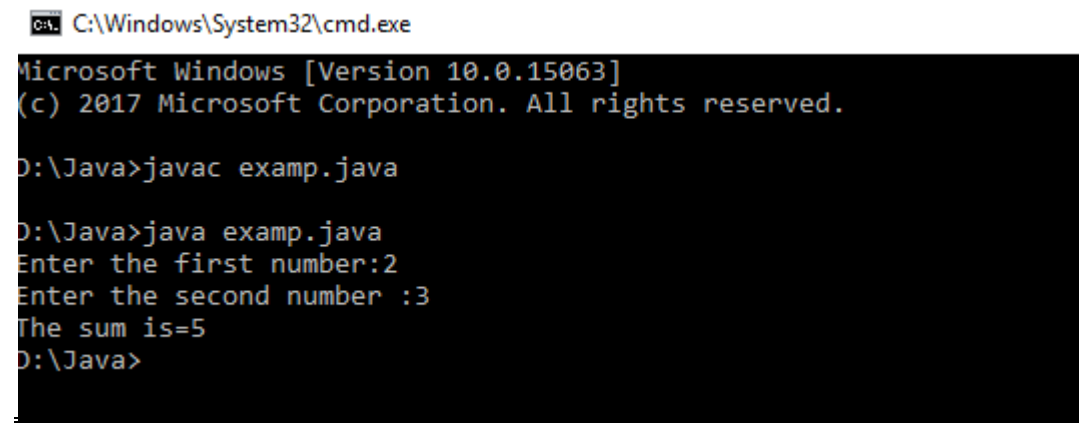
        System.out.print("Enter the second number :");

        int b= sc.nextInt();

        int c=a+b;

        System.out.print("The sum is="+c);
    }
}
```

Output



C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

D:\Java>javac examp.java

D:\Java>java examp.java
Enter the first number:2
Enter the second number :3
The sum is=5
D:\Java>
```

5)


```
public class exampl1
{
    public static void main (String[] agr) {
        String x="Hello! How are you?";
        int a=x.length();
        System.out.println("The lengthof String is : " +a);
        System.out.println(x.toUpperCase());
        System.out.println(x.toLowerCase());
        System.out.println(x.indexOf("are"));
        String y="Amal";
        String z="Jyothi";
        System.out.println(y+" "+z);
        //System.out.println(y.Concat(z));
    }
}
```

Output

CAL C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

D:\Java>javac exampl1.java

D:\Java>java exampl1.java
The lengthof String is : 19
HELLO! HOW ARE YOU?
hello! how are you?
11
Amal Jyothi

D:\Java>