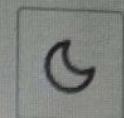
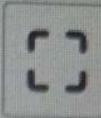


Methods of list

- i) insert
- ii) update
- iii) delete
- iv) search.



- 1 1. List provides ordered collection.
- 2 2. It contains methods to insert, update, delete and search the elements.
- 3 3. Lists contains duplicate elements.
- 4 4. can store null values also.
- 5 5. It is found in the java.util package

I

Main.java

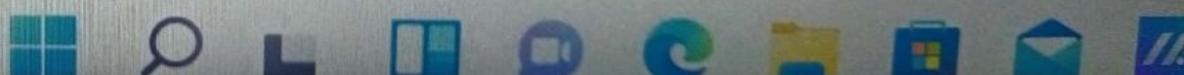


Run

Output

```
1 - class A{  
2     void msg()  
3     {  
4         System.out.println("Hello");  
5     }  
6 }  
7 - class B{  
8     public static void main(String args[]){  
9         A obj = new A();  
10        obj.msg();  
11    }  
12 }
```

```
java -cp /tmp/  
Hello|
```



Main.java

```
1 - class A{  
2   private A()  
3   {}  
4   void msg()  
5 - {  
6     System.out.println("Hello java");  
7   }  
8 }  
9 - public class Simple{  
10 -  public static void main(String args[]){  
11    A obj=new A();  
12  }  
13 }
```

JS



Main.java



Run

Output

```
1 public class student
2 {
3     public static void main(String args[])
4     {
5         int studentid=101;
6         String studentname="santhi";
7         System.out.println(studentid);
8         System.out.println(studentname);
9     }
10 }
```

```
java -cp /tmp/5J6Zfj8
```

```
101
```

```
santhi
```

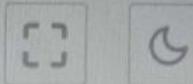


JS



ULB/Smart City Name	Internship Name	Date of Application
Private Internships		
Name ulb name	Internship Name	Date of Application
CYBERSECURITY VIRTUAL INTERNSHIP PROGRAM	2021-08-24	Applied
CLOUD VIRTUAL INTERNSHIP	2022-02-01	Applied
NHAI Internship		
NHAI Name	Internship Name	Date of Application

Main.java



Run

Output

```
1 public class employeemodel
2 {
3     static int empid=3;
4     String empname="jala";
5     String emailid;
6     float salary;
7     boolean employeeactive=true;
8     public static void main(String args[])
9     {
10         employeemodel obj=new employeemodel();
11         System.out.println(obj.empid);
12         System.out.print(obj.empname);
13     }
14 }
```

```
java -cp /tmp/bdK7gSbyxR e
3
jala
```



Main.java



Run

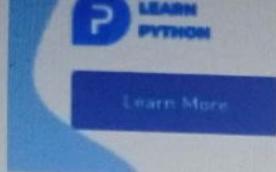
Output

```
1 public class employeemodel
2 {
3     static int empid=3;
4     String empname;
5     String emailid;
6     float salary;
7     boolean employeeactive=true;
8     public static void main(String args[])
9     {
10         System.out.print(empid);
11     }
12 }
```

java -cp /tmp/bdK:

3





LOOKING TO LEARN PROGRAMMING

Start your programming journey with Programiz **AT NO COST.**

Main.java

```
1 public class employee {  
2     private String days = "7 days";  
3     public String getDays() {  
4         return days;  
5     }  
6     public static void main(String[] args) {  
7         employee w = new employee();  
8         String result = w.getDays();  
9         System.out.println("Days in a Week:" + " " + result);  
10    }  
11 }  
12  
13
```



Output

```
java -cp /tmp/bdK7gSbyxR  
Days in a Week: 7 days
```





Main.java



Run

Output

```
19
20 - public void setId(int id) {
21     this.id = id;
22 }
23
24
25 - public static void main(String args[]){
26
27     SetAndGet obj = new SetAndGet();
28
29     obj.setName("jala");
30     obj.setId(1);
31     System.out.println(obj.getName());
32     System.out.println(obj.getId());
33 }
34
35
36 }
37
```

^ java -cp /tmp/bdK7gS
jala1



JS





JS

Main.java



Run

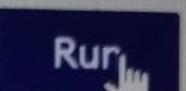
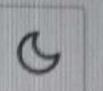
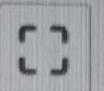
Output

```
1. public class Main {  
2.     static void myMethod(String fname, int age) {  
3.         System.out.println(fname + " is " + age);  
4.     }  
5.  
6.     public static void main(String[] args) {  
7.         myMethod("Liam", 5);  
8.         myMethod("Jenny", 8);  
9.         myMethod("Anja", 31);  
10.    }  
11. }
```

```
java -cp /tmp/Cv1w8p7YiU M  
Liam is 5  
Jenny is 8  
Anja is 31
```



Main.java



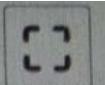
Output

```
1 import java.lang.*;
2
3 public class sts {
4
5     public static void main(String[] args)
6     {
7         int a = 62;
8         int b = 18;
9         System.out.println("The sum is =" + Integer.sum(a, b));
10    }
11 }
```

```
java -cp /tmp/Cv1w8p
The sum is =80
```



Main.java

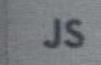


Run

Output

```
1 class test
2 {
3     public void add(int b,int a)
4     {
5         System.out.println(a*b);
6     }
7     public void add(int c,int b,int a)
8     {
9         System.out.print(a*b*c);
10    }
11    public static void main(String args[])
12    {
13        test obj=new test();
14        obj.add(10,20);
15        obj.add(10,20,10);
16    }
17 }
```

```
java -cp /tmp/Cv1w8p
200
2000
```



Main.java



Run

Output

```
1 class test
2 {
3     public void add(int a,int b)
4     {
5         System.out.println(a*b);
6     }
7     public void add(int a,int b,int c)
8     {
9         System.out.print(a*b*c);
10    }
11    public static void main(String args[])
12    {
13        test obj=new test();
14        obj.add(10,20);
15        obj.add(10,20,10);
16    }
17 }
```

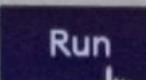
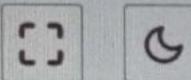
```
java -cp /tmp/test.jar test
200
2000
```



JS



main.cpp



Output

```
1 #include <iostream>
2 using namespace std;
3
4 int add(int num1, int num2) {
5     return num1 + num2;
6 }
7
8 int add(int num2, int num1, int num3) {
9     return num1 + num2 + num3;
10 }
11 int main() {
12     cout << add(10, 20) << endl;
13     cout << add(10, 20, 30);
14     return 0;
15 }
```

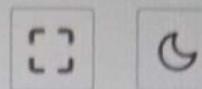
```
/tmp/a3HDevn5a6.o
30
60
```



JS



main.cpp



Run

Output

```
1 #include <iostream>
2 using namespace std;
3
4 int add(int num1, int num2) {
5     return num1 + num2;
6 }
7
8 int add(int num1, int num2, int num3) {
9     return num1 + num2 + num3;
10 }
11 int main() {
12     cout << add(10, 20) << endl;
13     cout << add(10, 20, 30);
14     return 0;
15 }
```

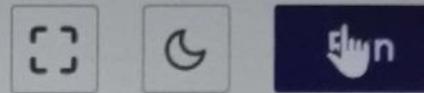
```
/tmp/a3HDevn5a6.o
30
60
```



JS



Main.java



Output

```
1- class P {  
2-   public void display() {  
3-     System.out.println("Rendering Polygon...");  
4-   }  
5- }  
6  
7- class c extends P{  
8-   public void display() {  
9-     System.out.println("Rendering Square...");  
10- }  
11- }  
12- class Main {  
13-   public static void main(String[] args) {  
14-     c s1 = new c();  
15-     s1.display();  
16-   }  
17- }
```

```
java -cp /tmp/Cv1w8p7Y  
Rendering Square...
```



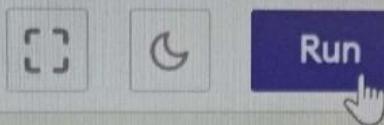
```
1 class overload
2 {
3     public void add(int a,int b,int c)
4     {
5         System.out.println(a*b*c);
6     }
7     public void add(int a,int b)
8     {
9         System.out.println(a*b);
10    }
11    public static void main(String args[])
12    {
13        overload obj1=new overload();
14        obj1.add(10,20);
15        obj1.add(10,20,10);
16
17    }
18 }
```

```
java -cp /tmp/Cv1w8p7Yiu ove
200
2000
```



ASUS

Main.java



Output

```
java -cp /tmp/8YBVP0fh8I Employee
Development average salary:1000.0
```



Main.java

```
1 class staticdemo
2 {
3     static int a=10;
4     static void display()
5     {
6         System.out.print("static method");
7     }
8     public static void main(String args[])
9     {
10        System.out.println(a);
11        display();
12    }
13 }
```



Run

Output

```
java -cp /tmp/8YBVF
10
static method
```



JS



Main.java



Run

Output

```
1 - public class Test{  
2     static int num = 92;  
3  
4 -     public static void main(String args[]) {  
5         Test obj=new Test();  
6         System.out.println(obj.num);  
7     }  
8 }
```

```
java -cp /tmp/8Y  
92
```



JS



Main.java



Run

Output

```
1 public class Test{  
2     static int num = 92;  
3  
4     public static void main(String args[]) {  
5         System.out.println(Test.num);  
6     }  
7 }
```

```
java -cp /tmp/8Y  
92
```

Main.java

```
1 public class car
2 {
3     static int a=90;
4     public static void main(String args[])
5     {
6         car obj=new car();
7         System.out.print(obj.a);
8     }
9 }
```

I

Main.java



Run

Output

```
1 public class car
2 {
3     int a=20;
4     car()
5     {
6         System.out.print("yes");
7     }
8     public static void main(String args[])
9     {
10        car obj1=new car();
11        System.out.println(obj1.a);
12    }
13 }
```

```
java -cp /tmp/
yes20
```



Main.java

```
1 public class car
2 {
3     static int a=20;
4     car()
5     {
6         System.out.print("yes");
7     }
8     public static void main(String args[])
9     {
10
11         System.out.println(a);
12     }
13 }
```

Run

Output

```
java -cp /tmp/8YBVP0fh
20
java -cp /tmp/8YBVP0fh
20
```

Waiting for beap-bc.yahoo.com...



Scanned with CamScanner

Main.cs



Output

```
1 // ONLINE C# EDITOR FOR FREE
2 // Write, Edit and Run your C# code using C# Online Compiler
3
4 using System;
5
6 class Car
7 {
8     string color;
9     int maxSpeed;
10
11     static void Main(string[] args)
12     {
13         Car myObj = new Car();
14         myObj.color = "red";
15         myObj.maxSpeed = 200;
16         Console.WriteLine(myObj.color);
17         Console.WriteLine(myObj.maxSpeed);
18     }
19 }
```

```
mono /tmp/tINjcb3tar  
ed  
200
```



JS



Main.cs

```
1 // Online C# Editor for free
2 // Write, Edit and Run your C# code using C# Online Compiler
3
4 using System;
5
6 class Car
7 {
8     string color = "red";
9     int maxSpeed = 200;
10
11     static void Main(string[] args)
12     {
13         Car myObj = new Car();
14         Console.WriteLine(myObj.color);
15         Console.WriteLine(myObj.maxSpeed);
16     }
17 }
```



Output

```
mono /tmp/tINjcb3taC.exe
red
200
```



JS



```
1 - public class Student {  
2   int id;  
3   String name;  
4  
5 - Student(){  
6   System.out.println("this a default constructor");  
7 }  
8  
9 - Student(int i, String n){  
10  id = i;  
11  name = n;  
12 }  
13  
14 - public static void main(String[] args) {  
15  Student s = new Student();  
16  System.out.print("\nDefault Constructor values: \n");  
17  System.out.println("Student Id : "+s.id + "\nStudent Name : "+s  
    .name);  
18 }
```

```
java -cp /tmp/NJah2Af4Qp Student  
this a default constructor  
Default Constructor values:  
Student Id : 0  
Student Name : null  
Parameterized Constructor values:  
  
Student Id : 10  
Student Name : David
```



Main.java

```
1 import java.util.*;
2 public class employee
3 {
4     int a=10;
5     int b=20;
6     employee()
7     {
8         int c=30;
9     }
10    public static void main(String args[])
11    {
12        employee obj=new employee();
13        System.out.print(obj.a);
14    }
15 }
```



Run

Output

```
java -cp /tmp/
10|
```



JS





sponsored by: Dell

Main.java

```
1 import java.util.*;
2 class Main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int n=sc.nextInt();
8         for(int i=1;i<=n*2;i++)
9         {
10             if(i%2==0)
11             {
12                 System.out.print(i+" ");
13             }
14         }
15     }
16 }
```



Output

```
java -cp /tmp/19mYbCIdc
5
2 4 6 8 10 |
```



Main.java

```
1 import java.util.*;
2 class Main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int a=sc.nextInt();
8         int b=sc.nextInt();
9         int sum=a+b;
10        int pro=a*b;
11        System.out.print(sum+" ");
12        System.out.print(pro);
13    }
14 }
```



Output

```
java -cp /tmp/cQ5yTVJzFP M
2
3
5 6
```



ain.cs



Run

Output

```
// Online C# Editor for free
// Write, Edit and Run your C# code using C# Online Compiler

using System;

public class HelloWorld
{
    public static void Main(string[] args)
    {
        bool raining=false;
        bool buslate=true;
        Console.WriteLine("it is raining:{0}", raining? "yes":
            "no");
        Console.WriteLine("the bus is late:{0}", buslate? "yes":
            "no ");
    }
}
```

```
mono /tmp/KGLxqYIubN.exe
it is raining:no
the bus is late:yes
```



.java



Run

Output

```
1
int ans=0;
for(int i=1;i<=2*n;i++)
{
    if(i%2!=0)
    {
        System.out.print(i+" ");
    }
}
System.out.println(" ");
for(int i=1;i<=2*n;i++)
{
    ,
    if(i%2!=0)
    {
        ans=ans+i;
    }
}
System.out.print(ans);
```

```
^ java -cp /tmp/cQ5yTVJzFP Main
      10
      1 3 5 7 9 11 13 15 17 19
      100
```



Main.java



Run

Output

```
1 class Main
2
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int n=sc.nextInt();
8         int ans=0;
9         for(int i=1;i<=n;i++)
10        {
11            System.out.print(i+" ");
12        }
13        System.out.println(" ");
14        for(int i=1;i<=n;i++)
15        {
16            ans=(i*(i+1))/2;
17        }
18        System.out.print(ans);
19    }
20 }
```

```
java -cp /tmp/cQ5yTVJzFP Ma
7
1 2 3 4 5 6 7
28
```



ASUS

Main.java



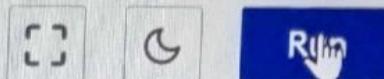
Output

```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int n=sc.nextInt();
8         if(n%4==0)
9         {
10             System.out.print("leap year");
11         }
12         else
13         {
14             System.out.print("not leap year");
15         }
16     }
17 }
```

```
java -cp /tmp/cQ5yTVJzFP
2016
leap year
```



Main.java



Output

```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int n=sc.nextInt();
8         if(n>0)
9         {
10             System.out.print("positive");
11         }
12         else
13         {
14             System.out.print("negative");
15         }
16     }
17 }
```

```
java -cp /tmp/cQ5yTVJzFP Main
-1
negative
```



Main.java



Run

Output

```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int i=100;
8         double d = i;
9         System.out.print(d);
10    }
11 }
```

```
java -cp /tmp/cQ5yTVJzF
100.0
```



Main.java



Run

Output

```
1 import java.util.Scanner;
2 class Main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int a=sc.nextInt();
8         float b=(int)a;
9         System.out.println(b);
10        int i=100;
11        long l=i;
12        float f=l;
13        System.out.println(f);
14    }
15 }
```

```
java -cp /tmp/cQ5yT
5
5.0
100.0
```



Main.java

```
5  {
6      Scanner sc =new Scanner(System.in);
7      int a=sc.nextInt();
8      int b=sc.nextInt();
9      if(a==b)
10     {
11         System.out.print("true");
12     }
13     else if(a>b)
14     {
15         System.out.print("greater");
16     }
17     else if(a<b)
18     {
19         System.out.print("lesser");
20     }
21
22
```



Run

Output

```
java -cp /tmp/cQ5yTVJzFP Main
5
6
lesser
```



למה המודעה זו מוצגת?

שליחת מושב

Main.java



Run

Output

```
1 - import java.util.*;
2   class Main
3 - {
4     public static void main(String args[])
5 -   {
6       Scanner sc =new Scanner(System.in);
7       int a=sc.nextInt();
8       System.out.print(a+++" ");
9       System.out.print(a---" ");
10      System.out.print(++a++" ");
11      System.out.print(--a+" ");
12
13    }
14 }
```

```
java -cp /tmp/cQ5yTVJz
5
5 6 6 5 |
```





Main.java



Run

Output

```
1 import java.util.Scanner;
2 class main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         String str=sc.next();
8         for(int i=0;i<str.length()-1;i++)
9         {
10             for(int j=i+1;j<str.length()-1;j++)
11             {
12                 if(str.charAt(i)==str.charAt(j))
13                 {
14                     System.out.print(str.charAt(j));
15                 }
16             }
17         }
18     }
19 }
```

```
java -cp /tmp/JUggbGQrD5 mair
hello
l
```





Main.java



Run

Output

```
1 import java.util.Scanner;
2 class main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         String str=sc.next();
8         String rs=str.toLowerCase();
9         System.out.print(rs);
10    }
11
12 }
```

```
java -cp /tmp/JUggbGQrD5 main
HELLO
hello|
```



JS



Main.java



Run

Output

```
1 import java.util.Scanner;
2 class main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         String str=sc.next();
8         String rs=str.replace("i","s");
9         System.out.print(rs);
10    }
11
12 }
```

```
java -cp /tmp/JUggbGQrD5 main
is
ss|
```



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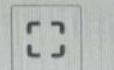


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Main.java

```
1 import java.util.Scanner;
2 class main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         String str=sc.next();
8         int count=0;
9         for(int i=0;i<str.length()-1;i++)
10        {
11            count+=1;
12        }
13        System.out.print(count);
14    }
15
16 }
```



Run

Output

```
java -cp /tmp/JUggbGQrD5 main
jalatechnologies
15
```



Main.java



Run

Output

```
1 import java.util.Scanner;
2 class main
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         String str=sc.next();
8         int x=0;
9         for(int i=0;i<str.length()-1;i++)
10        {
11            x=x+1;
12        }
13        System.out.print(x);
14    }
15
16 }
```

```
java -cp /tmp/JUggbGQrD5 main
hello
4
```



Main.java



Run

Output

```
1 import java.util.Scanner;
2 class stringrev
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         String str=sc.next();
8         String rev="";
9         for(int i=str.length()-1;i>=0;i--)
10        {
11            rev=rev+str.charAt(i);
12        }
13        System.out.print(rev);
14    }
15
16 }
```

```
java -cp /tmp/JUggbGQrD5 stringrev
hello
olleh|
```





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LEAR

Main.java



Output

```
1 import java.util.Scanner;
2 class datatypes
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         char a=sc.next().charAt(0);
8         if(a=='a'||a=='e'||a=='i'||a=='o'||a=='u')
9         {
10             System.out.print("vowel");
11         }
12         else
13         {
14             System.out.print("consonant");
15         }
16     }
17
18 }
```

```
java -cp /tmp/JUggbGQrD5 da
u
vowel
```



Main.java



Run

Output

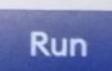
```
1 import java.util.Scanner;
2 class datatypes
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int a=sc.nextInt();
8         int b=sc.nextInt();
9         int c=sc.nextInt();
10        System.out.print(c+" "+b+" "+a);
11    }
12    ,
13 }
```

```
java -cp /tmp/JUggbGQrD5 datatypes
1 2 3
3 2 1
```



Main.java

```
1     Scanner sc=new Scanner(System.in);
2
3     int a=sc.nextInt();
4
5     int b=sc.nextInt();
6     String s=sc.next();
7     int sum=0;
8
9     switch(s) {
10
11         case "+":sum=(a+b);break;
12
13         case "*":sum=(a*b);break;
14
15         case "-":sum=(a-b);break;
16
17         case "/":sum=(a/b);break;
18
19     }
```



Output

```
java -cp /tmp/nBnzwMw2qo Main
2
3
+
5
```



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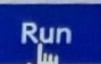


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Main.java



Output

```
1 import java.util.*;
2 class datatypes
3 {
4     public static void main(String args[])
5     {
6         float a= 8.61f;
7         int b;
8         b=(int)a;
9         System.out.print(b);
10    }
11 }
```

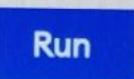
```
java -cp /tmp/nBnzwMw2qo datatypes
8
```



ENG
IN

Main.java

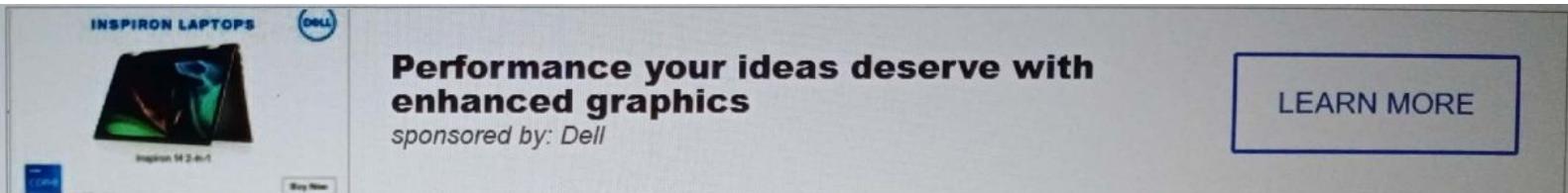
```
1 - import java.util.*;
2 class datatypes
3 {
4     public static void main(String args[])
5     {
6         int a=2;
7         System.out.println(a);
8         boolean st=true;
9         System.out.print(st);
10    }
11 }
```



Output

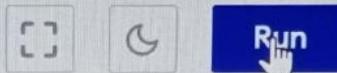
```
java -cp /tmp/nBnzwMw2qo datatypes
2
true
```





Main.java

```
1 import java.util.*;
2 class basics
3 {
4     public static void main(String args[])
5     {
6         int a=2;
7         int b=3;
8         int res=a+b;
9         System.out.print(res);
10    }
11 }
```

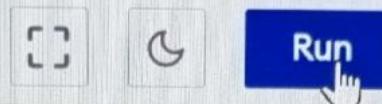


Output

```
java -cp /tmp/nBnzwMW2qo basics
5
```



Main.java



Output

```
1 import java.util.*;
2 class basics
3 {
4     public static void main(String args[])
5     {
6         String str1="welcome";
7         String str2="home";
8         System.out.print("hello "+str1+" "+str2);
9     }
10 }
```

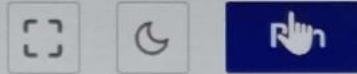
```
java -cp /tmp/nBnzwMW2qo basics
hello welcome home
```





Main.java

```
1 import java.util.*;
2 class basics
3 {
4     public static void main(String args[])
5     {
6         String empname="jala technologies";
7         System.out.println(empname);
8         String name="hello";
9         System.out.println(name);
10
11     }
12 }
```



Output

```
java -cp /tmp/nBnzwMW2qo basics
jala technologies
hello
```





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Main.java

```
1 import java.util.*;
2 class basics
3 {
4     public static void main(String args[])
5     {
6         Scanner sc =new Scanner(System.in);
7         int a=sc.nextInt();
8         int b=sc.nextInt();
9         int temp;
10        temp=a;
11        a=b;
12        b=temp;
13        System.out.println("a = "+a);
14        System.out.print("b = "+b);
15
16
17    }
18 }
```

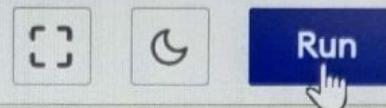


Output

```
java -cp /tmp/nBnzwMw2qo basics
3
4
a = 4
b = 3
```



Main.java



Output

```
1 import java.util.*;
2 class basics
3 {
4     public static void main(String args[])
5     {
6         Scanner sc =new Scanner(System.in);
7         int n=sc.nextInt();
8
9         if(n%2==0)
10        {
11            System.out.print("even");
12        }
13        else
14        {
15            System.out.print("odd");
16        }
17    }
18 }
```

```
java -cp /tmp/nBnzwMW2qo basics
2
even
```





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Main.java

```
1 class basics
2 {
3     public static void main(String args[])
4     {
5         int empid;
6         String empname;
7         empid=5;
8         System.out.println(empid);
9         empname="puja";
10        System.out.print(empname);
11    }
12 }
```



Output

```
java -cp /tmp/nBnzwMw2qo basics
5
puja
```

|

