```java
// Online Java Compiler
// Use this editor to write, compile and run
   your Java code online

class HelloWorld {
    void isPrime(int n)
    {
        boolean check=true;
        for(int i=2;i<n;i++)
        {
            if(n%i==0)
            {
                check=false;
                break;
            }
        }
        if(check)
        {
            System.out.println(n+" is a prime
                number");
        }
        else
        System.out.println(n+" is not a prime
            number");
    }
    public static void main(String[] args) {
        HelloWorld h= new HelloWorld();
        h.isPrime(2);
        h.isPrime(18);
        h.isPrime(17);
    }
}
```

```
java -cp /tmp/0Zk09VOiFI/HelloWorld
2 is a prime number
18 is not a prime number
17 is a prime number

=== Code Execution Successful ===
```

```java
1   // Online Java Compiler
2   // Use this editor to write, compile and run
        your Java code online
3
4 ▾ class HelloWorld {
5 ▾     public static void main(String[] args) {
6           Hi h= new Hi();
7           Talk t=new Talk();
8           Bye b=new Bye();
9           h.welcome();
10          h.chitChat();
11          t.chitChat();
12          b.chitChat();
13          b.sendOff();
14      }
15  }
16
17  class Talk
18 ▾ {
19      void chitChat()
20 ▾    {
21          System.out.println("Gossiping");
22      }
23  }
24  class Hi extends Talk
25 ▾ {
26      void welcome()
27 ▾    {
28          System.out.println("Hi");
29      }
30  }
31  class Bye extends Talk
32 ▾ {
33      void sendOff()
34 ▾    {
35          System.out.println("Bye");
36      }
37  }
38
```

```
java -cp /tmp/TcuaRhv8Fr/HelloWorld
Hi
Gossiping
Gossiping
Gossiping
Bye

=== Code Execution Successful ===
```

```java
// Online Java Compiler
// Use this editor to write, compile and run
    your Java code online

class HelloWorld {
    public static void main(String[] args
        )throws Exception {
        try{
        System.out.println("Hi");
        }

        finally//executed compulsory at end
        {
            System.out.println("Thank You!!
                Visit Again");
        }
    }
}
```

```
java -cp /tmp/MGKHiEE4yx/HelloWorld
Hi
Thank You!! Visit Again


=== Code Execution Successful ===
```

```
1  // Online Java Compiler
2  // Use this editor to write, compile and run
       your Java code online
3
4 ▾ class HelloWorld {
5 ▾     public static void main(String[] args) {
6          final int a=10;
7          a=10;
8      }
9 }
```

```
ERROR!
/tmp/5ZGHpPofN5/HelloWorld.java:7: error: cannot
    assign a value to final variable a
        a=10;
        ^
1 error

=== Code Exited With Errors ===
```

```java
1  // Online Java Compiler
2  // Use this editor to write, compile and run
   your Java code online
3
4  class HelloWorld {
5      public static void main(String[] args) {
6          Child c=new Child();
7          Parent p=new Parent();
8          Parent pc=new Child();
9          c.spend();
10         p.spend();
11         pc.spend();
12
13     }
14 }
15 class Parent
16 {
17     void spend(){
18     System.out.println("Parnet is Spending his
           own money");
19     }
20 }
21 class Child extends Parent
22 {
23     void spend(){
24         System.out.println("Child is Spending
               his Parent money");
25
26     }
27 }
```

```
java -cp /tmp/VD0Bwfcolk/HelloWorld
Child is Spending his Parent money
Parnet is Spending his own money
Child is Spending his Parent money

=== Code Execution Successful ===
```

```java
1  // Online Java Compiler
2  // Use this editor to write, compile and run
      your Java code online
3
4  class User {
5      User(){
6          System.out.println("Welcome Guest User"
              );
7      }
8      User(String userName)
9      {
10         System.out.println("Welcome "+userName
              );
11     }
12     public static void main(String[] args) {
13         User u1=new User();
14         User u2=new User("Lokesh");
15         User u3 =new User();
16     }
17 }
```

```
java -cp /tmp/XsFivdRud5/User
Welcome Guest User
Welcome Lokesh
Welcome Guest User


=== Code Execution Successful ===
```