```java
package javapractice;
import java.util.Scanner;
abstract class Softwares{    //abstract parent class
 String username;
 String password;

 void userinput() {
  Scanner s=new Scanner(System.in);
  System.out.println("Enter username:");
  username=s.nextLine();
  System.out.println("Enter password:");
  password=s.nextLine();

 }

 void userlogin() {
  System.out.println("Welcome to Instgram");
  System.out.println("--------------------");
  System.out.println("Please login here!!");
 }

 abstract void appopen();      //abstract method
}
class Insta extends Softwares{
 @Override                         //child  class
 void appopen() {
  while(true) {

  if(username.equals("Sakshi") && password.equals("123@")) {
   System.out.println("successfully login, App is open");
   break;
  }else {
   System.out.println("Invalid username and password:Please
   userinput();
  }
 }
}
}
```
38

```java
39  void appclose() {
40   System.out.println("App is closed");
41  }
42 }

43

44 public class abstraction {
45  public static void main(String[] args) {
46   Insta i=new Insta();
47   i.userlogin();
48   i.userinput();
49   i.appopen();
50
51  }
52
53 }
54
```