

Experiements\Ex-8\Main_Abstract.java

```
1  /*
2  *Abstract class: is a restricted class that cannot be used
3  *to create objects (to access it, it must be inherited from another class).
4
5  *Abstract method: can only be used in an abstract class,
6  *and it does not have a body. The body is provided by the subclass (inherited from).
7  */
8  //Abstract class
9  abstract class Animal {
10     // Abstract method (does not have a body)
11     public abstract void animalSound();
12     // Regular method
13     public void sleep(){
14         System.out.println("Zzz...");
15     }
16 }
17
18 // Subclass (inherit from Animal)
19 class Pig extends Animal{
20     public void animalSound(){
21         // The body of animalSound() is provided here
22         System.out.println("The pig says: wee wee") ;
23     }
24 }
25
26 class Main_Abstract {
27     public static void main(String[] args){
28         Pig myPig = new Pig(); // Create a Pig Object
29         myPig.animalSound();
30         myPig.sleep();
31     }
32 }
33
34 /*
35  * Output:-
36 PS C:\Users\gagan\Documents\Repository\Java> cd
37 "c:\Users\gagan\Documents\Repository\Java\Experiements\Ex-8\" ; if ($?) { javac
38 Main_Abstract.java } ; if ($?) { java Main_Abstract }
39 The pig says: wee wee
40 Zzz...
41 */
```