Experiment 1.2

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UID: **Section/Group:**
Date of performance: 23/08/22 **Subject name: OOPs Using JAVA**

AIM: Write a program to implement abstract class using Java inheritance

OBJECTIVE:

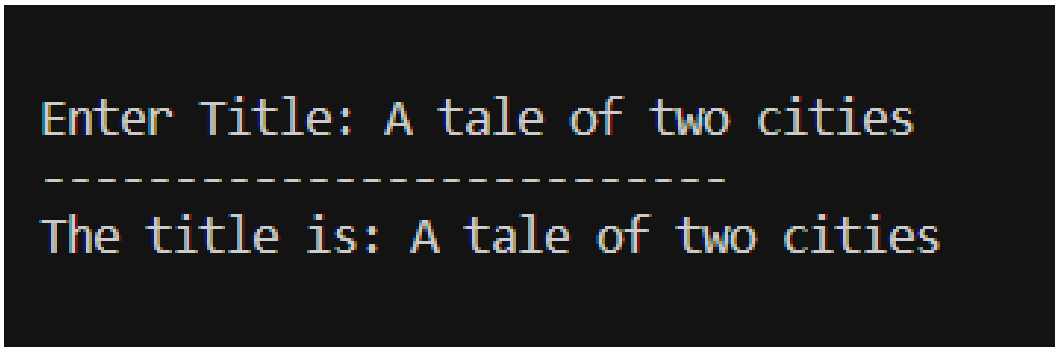
We have to create another class that extends the abstract class. Then We can create an instance of the new class.
Notice that *setTitle* method is abstract too and has no body. That means We must implement the body of that method in the child class.
In the editor, we have provided the abstract *Book* class and a *Main* class. In the Main class, we created an instance of a class called *MyBook*. Your task is to write just the *MyBook* class. Wer class mustn't be public.

PROGRAM CODE:

```
import java.util.*;

abstract class Book {
   String title;
   abstract void setTitle(String s);
   String getTitle()
   {
      return title;
   }

}

class MyBook extends Book {

    @Override
    void setTitle(String s){
        this.title = s;
    }
```

```
  }


class Main {
   public static void main(String []args) {
      System.out.print("Enter Title: ");
      Scanner sc=new Scanner(System.in);
      String title=sc.nextLine();
      MyBook new_novel=new MyBook();
      new_novel.setTitle(title);
      System.out.println("------------------------");
      System.out.println("The title is: " + new_novel.getTitle());
      System.out.println("\n");
      sc.close();
   }
}
```

OUTPUT:



Learning outcomes (What I have learnt):

1. Learned about Java abstract class.
2. Learned about Java inheritance.
3. Use of override feature in Java.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Student Performance (Conduct of experiment) objectives/Outcomes.		12
2.	Viva Voce		10
3.	Submission of Work Sheet (Record)		8
	Total		30