**Experiment 1.2**

Student Name: Branch: BE-CSE

UID: Section/Group:

Date of performance: 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());

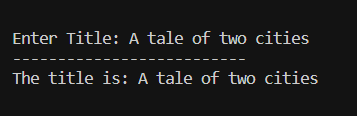
System.out.println("\n");

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 |