EXPERIMENT – 1.2

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Section/Group: 608 (B)
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Subject Name: OOP using JAVA
Subject Code: 21CSH-218

Aim of the practical: Create an abstract class Book and then a child class MyBook that extends the abstract class. In the Main class, we created an instance of the child class MyBook. The setTitle() method is abstract too and has no body. That means it must be implemented in the child class MyBook.

Objective: Understand how to implement Abstract class in Java.

Program Code:

```
import java.util.*;
abstract class Book{
String title;
abstract void setTitle(String s);
String getTitle(){
return title;
}
}
class MyBook extends Book
{
void setTitle(String s)
{
  title = s;
}
}
```

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

Output:

Your Output (stdout)

```
1 The title is: A tale of two cities
```

Expected Output Download

```
1 The title is: A tale of two cities
```

Input (stdin) Download

```
1  Sonar tori
```

Your Output (stdout)

```
1  The title is: Sonar tori
```

Expected Output Download

```
1  The title is: Sonar tori
```

Learning outcomes (What I have learnt):

1. **Learnt about Abstract Class.**
2. **Learnt about Java Programming Language.**