

Experiment No. 9

Aim

Create a class 'Degree' having a method 'getDegree' that prints "I got a degree". It has two subclasses namely 'Undergraduate' and 'Postgraduate' each having a method with the same name that prints "I am an Undergraduate" and "I am a Postgraduate" respectively. Call the 3 method by creating an object of the two child classes.

Source code

```
package java_file;
```

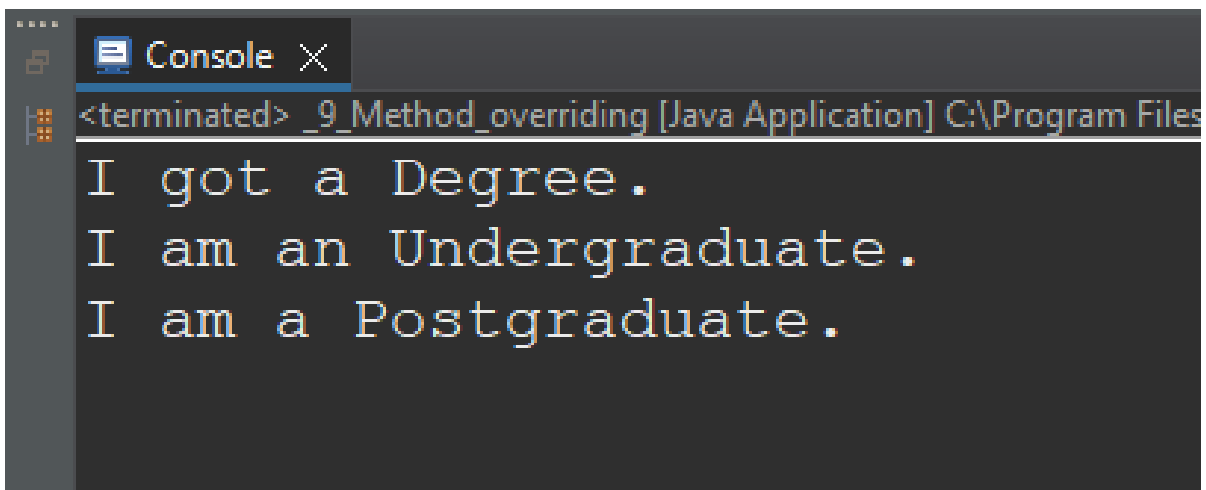
```
class Degree {  
    void getDegree() {  
        System.out.println("I got a Degree.");  
    }  
}
```

```
class Undergraduate extends Degree {  
    @Override  
    void getDegree() {  
        super.getDegree();  
        System.out.println("I am an Undergraduate.");  
    }  
}
```

```
class Postgraduate extends Degree {  
    void getDegree() {  
        System.out.println("I am a Postgraduate.");  
    }  
}
```

```
public class _9_Method_overriding {  
  
    public static void main(String[] args) {  
  
        Undergraduate student=new Undergraduate();  
  
        Postgraduate student2=new Postgraduate();  
  
        student.getDegree();  
  
        student2.getDegree();  
  
    }  
}
```

Output

A screenshot of a Java IDE's console window. The window has a title bar with a close button and the text 'Console'. Below the title bar, the text '<terminated> _9_Method_overriding [Java Application] C:\Program Files' is visible. The main area of the console displays the output of the program in a monospaced font: 'I got a Degree.', 'I am an Undergraduate.', and 'I am a Postgraduate.' on three separate lines.

```
<terminated> _9_Method_overriding [Java Application] C:\Program Files  
I got a Degree.  
I am an Undergraduate.  
I am a Postgraduate.
```