

Lab Assignment-07

ROLL: 2005535 | NAME: SAHIL SINGH | DATE: 31/03/22

QUES 1: Illustrate the usage of abstract class with following Java classes -

i)An abstract class student (package name- pack1)with data member roll no, reg no and a abstract method course().

ii)A subclass kiitian (package name- pack2) with course() method implementation.

SOLUTION:

pack1 (student.java):

```
package pack1;

public abstract class student {
    protected int roll;
    protected int reg;

    protected abstract void course();
}
```

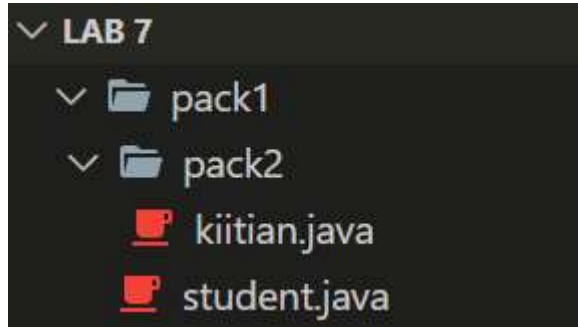
pack2 (kiitian.java)

```
package pack1.pack2;
import pack1.student;
public class kiitian extends student {
    @Override
    protected void course() {
        System.out.println("Course Method Called!!!");
    }
    public int getroll() {
        return roll;
    }
    public int getreg() {
        return reg;
    }
    public void setroll(int roll) {
        this.roll = roll;
    }
    public void setreg(int reg) {
        this.reg = reg;
    }
}

class Test {
    public static void main(String[] args) {
        kiitian n = new kiitian();
        n.setreg(10503021);
        n.setroll(2005535);
        System.out.println("Roll no: " + n.getroll());
    }
}
```

```
        System.out.println("Reg no: " + n.getreg());  
        n.course();  
    }  
}
```

Package Creation:



OUTPUT :

```
Roll no: 2005535  
Reg no: 10503021  
Course Method Called!!!
```
