**Assigment 2:**

**5.**

//creating a Shape abstract class

**abstract** **class** Shape {

**abstract** **void** draw();

}

//Drawing line shape

**class** line **extends** Shape{

**void** draw() {

System.***out***.println("drawing line...");

}

}

//Drawing cube shape

**class** cube **extends** Shape{

**void** draw()

{

System.***out***.println("drawing cube...");

}

}

//Drawing rectangle shape

**class** rectangle **extends** Shape{

**void** draw()

{

System.***out***.println("drawing rectangle...");

}

}

//calling main method

**class** hello{

**public** **static** **void** main(String args[])

{

Shape a= **new** line();

a.draw();

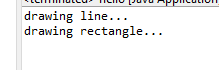
Shape b= **new** rectangle();

b.draw();

}

}

**Output:**

****

**6.**

**package** file;

**abstract** **class** persistance{

**public** **abstract** **void** persist();

}

**class** filePersistance **extends** persistance {

@Override

**public** **void** persist() {

System.***out***.println("data is being saved in in file");

}

}

**class** databasePersistance **extends** persistance {

@Override

**public** **void** persist() {

System.***out***.println("data is not being saved in in databse");

}

}

**public** **class** Persistence{

**public** **static** **void** main(String[] args) {

filePersistance p =**new** filePersistance();

p.persist();

databasePersistance p1=**new** databasePersistance();

p1.persist();

}

}

**Output:**

**o6.PNG**