

**Group: A2**

## Create a Project Named Company ( main class )

	<b>Marks</b>
<p>1. Suppose you have to create a program for a Company's Common Shareholders. So first you have to create a <b>CommonShares</b> class. In this class, there will be a <b>double</b> variable named <b>price</b> which should be both <b>private</b> and <b>static</b>.</p> <p>Create proper constructors, getter setter methods as per your requirements.</p>	<b>3</b>
<p>2. Now the CommonShares will be used by Owners.</p> <p>So create an <b>Owner</b> class which <b>inherits</b> the CommonShares class. Here, there will be an integer variable named ownerID. This variable should be <b>private</b> but <b>not static</b>.</p> <p>Create proper constructors, getter setter methods as per your requirements.</p>	<b>3</b>
<p>3. In the Owner class, create two static methods.</p> <p>double PriceRise(double percentage) which returns price + (price * percentage)  double PriceFall(double percentage) which returns price - (price * percentage)</p> <p>You have to get the price from the superclass CommonShares class.</p>	<b>4</b>
<p>4. Now go to the main method and assign value to the price variable of CommonShares. <b>Take user inputs</b>.</p> <p>Create 2 objects of Owner and assign value to the ownerID variables.</p> <p>Call the PriceRise() and PriceFall() methods of the Owner class.</p> <p>Finally, print the ownerID, price fall/rise amount and final price for each owner.</p> <p>See the output given in the next page for more clarity.</p>	<b>5</b>

**Total: 15**

**Please Go the Next Page**

Sample Input	Sample Output
Enter Price: 250000 Enter First Owner ID: 145 Enter Second Owner ID: 136 Enter price rise percentage: 0.15 Enter price fall percentage: 0.25	Owner ID: 145 Rise Amount: 0.15 Price: 287500.0  Owner ID: 136 Fall Amount: 0.25 Price: 187500.0