

Question 1

Given the file `FindCost.java` (provided with this lab questions), its contents are as follows:

```
public class FindCost{
    public static void main( String args[]){
        double oldPrice,newPrice,tax;

        oldPrice=500;
        tax=17.5;                      // tax is 17.5%
        newPrice=oldPrice*(1+tax/100); // calculate new price after tax

        System.out.println( "*** Product price Check ***" );
        System.out.println( "Cost before tax = " + oldPrice);
        System.out.println( "Cost after tax  = " + newPrice);
    }
}
```

- (a) Compile and run the file using JDK at the command window.
- (b) Introduce an error in `FindCost.java` by changing the line:
`System.out.println("Cost after tax = " + newPrice);`
to be
`System.out.println("Cost after tax = " + newprice);`

The error has been introduced by changing **P** to **p** in `newprice`. Save your program with the same name. Recompile your program and see how the compiler reports the error.
- (c) Remove the error and re-compile and run.
- (d) Using any text editor, open the `FindCost.class`. Is that file a text file or a Binary File?

Question 2

Repeat question 1, but now use Java IDE installed in the computer you are using. You can use Eclipse or NetBeans.

Now you have an idea how to compile and run Java program using command window and also using Java IDE.

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