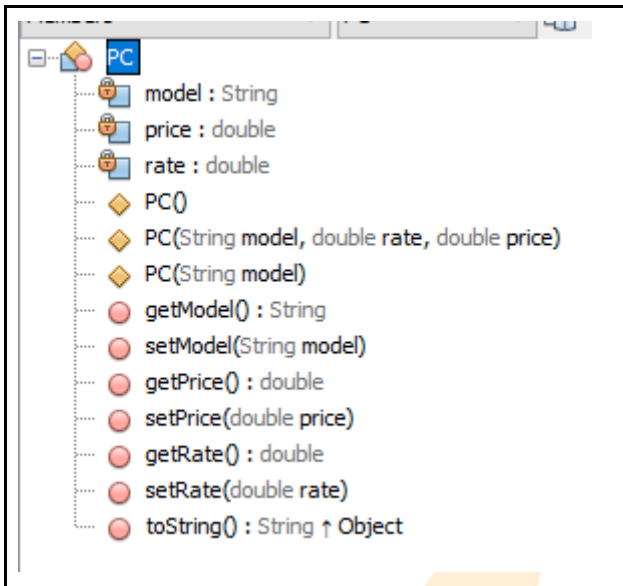
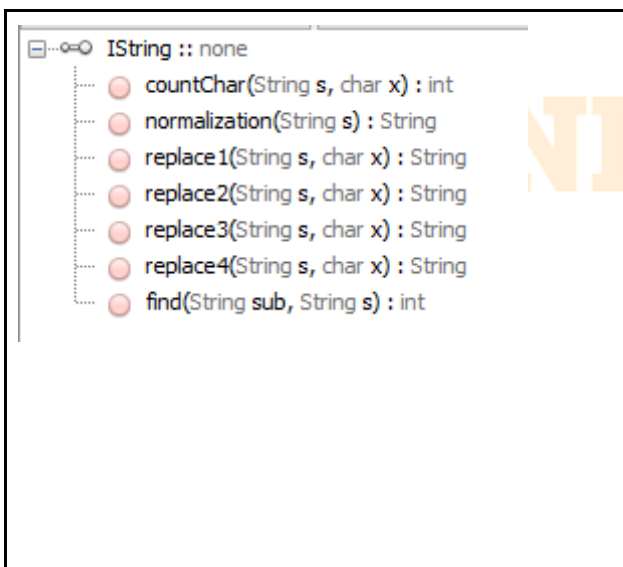
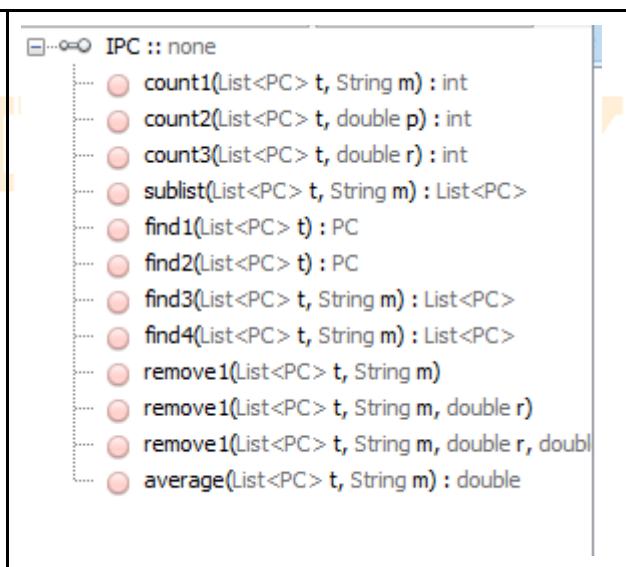


LAB 5 PRO192

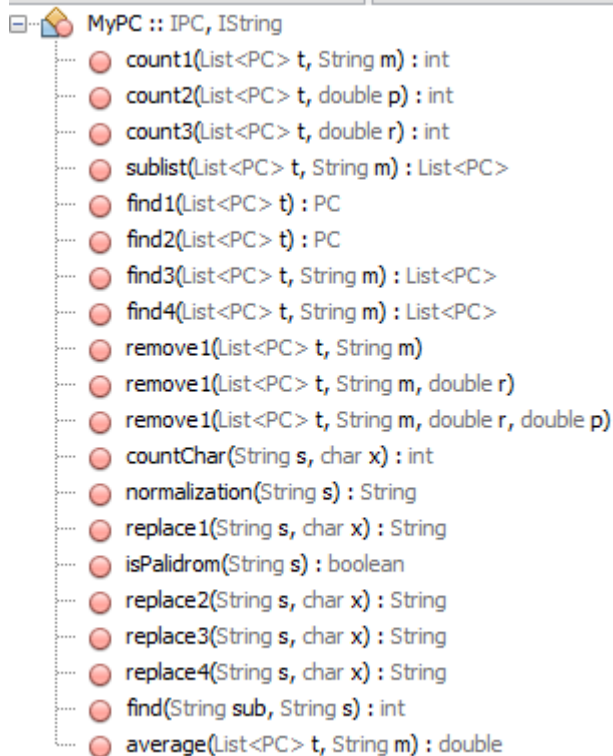
Create a class name PC as in the image below.

	<p>The getModel() method returns a string by converting the first two characters of the model to uppercase and the others to lowercase.</p> <p>toString() return a string in format: (model,rate,price)</p>
---	---

There are two interfaces that have been compiled to bytecode, you can use it without creating a .java file

	
---	--

Create a class name MyPC that implements the above two interfaces then complete all abstract methods (all methods are described as below).



public class MyPC implements IPC, IString {

@Override

public int F1_count1(List<PC> t, String m) {

//count how many PCs in the list t which have a model equal to m (ignoring case sensitivity)

}

@Override

public int F2_count2(List<PC> t, double p) {

// count how many PCs in the list t which have a price = p

}

@Override

public int F3_count3(List<PC> t, double r) {

// count how many PCs in the list t which have a rate= r

}

@Override

public List<PC> F4_sublist(List<PC> t, String m) {

//returns a sublist of List t where PC has a model equal to m (ignoring case sensitivity)

```

    }
    @Override
    public PC F5_find1(List<PC> t) {
        //find the first PC in the list t has maximum price and model equal DELL.
    }
    @Override
    public PC F6_find2(List<PC> t) {
        // find the last PC in the list t has maximum price and model equal DELL
        (ignoring case sensitivity).
    }
    @Override
    public List<PC> F7_find3(List<PC> t,String m) {
        // find the all PC in the list t has minimum rate and model equal m(ignoring case
        sensitivity).
    }
    @Override
    public List<PC> F8_find4(List<PC> t,String m) {
        // find the all PC in the list t has maximum rate and model equal m(ignoring case
        sensitivity).
    }
    @Override
    public void F9_remove1(List<PC> t, String m) {
        // remove all PCs with model equal to m (ignoring case sensitivity)
    }
    @Override
    public void F10_remove1(List<PC> t, String m, double r) {
        // remove all the PC which have model equal m, rate = r
    }

    @Override
    public void F11_remove1(List<PC> t, String m, double r, double p) {
        // remove all the PC which have model equal m, rate = r and price = p.
    }

    @Override
    public double F12_average(List<PC> t, String m) {
        //return average price of all PC have model as m (ignoring case sensitivity)
    }
}

```

```

@Override
public int F13_countChar(String s, char x) {
    //return the number of character x in String s
}

@Override
public String F14_normalization(String s) {
    //normalization Each word is separated by only 1 space
    //normalize the dot and comma in the string s. There will be no spaces before
the dot or comma.
    //There must be a space after a dot or comma. The character after the dot
must be capitalized.
}

@Override
public String F15_replace1(String s, char x) {
    // repalce all longest words in s by x
}

@Override
public String F16_replace2(String s, char x) {
    // repalce all palidrom words by x
}

@Override
public String F17_replace3(String s, char x) {
    // replace all shortest word in s by x
}

@Override
public String F18_replace4(String s, char x) {
    //      replace the last longest word by x
}

@Override
public int F19_find(String sub, String s) {
    // Returns the first position of substring sub in string s. if sub is not in s, return -1
}
}

```

----- OUTPUT -----

```

Output - workshop5 (run) x
=====MENU=====
1. Test count PCs by model
2. Test count PCs by price
3. Test count PCs by rate
4 Test sublist
5. Test find1()
6. Test find2()
7. Test find3()
8. Test find4()
9. Test remove all by model
10. Test remove all by model and rate
11. Test remove by model, rate and price
12. Test average price by model
13. Test countChar()
14 Test normalization()
15. Test replace1()
16. Test replace2()
17. Test replace3()
18. Test replace4()
19. Test find()
Enter TC(1-19): 5
INPUT:

Model  Dell    MAc    HP    ACer    ASus    ASus    HP    ACer    Dell    Dell    Dell
Rate   5.0     5.0    3.0    1.0     4.0     6.0    3.0    2.0     4.0     2.0     3.0
Pice   15000.0 15000.0 9000.0 5000.0 8000.0 15000.0 8000.0 10000.0 12000.0 11000.0 15000.0

OUTPUT:
(Dell,5.0,15000.0)
Test case 5 IS OK
BUILD SUCCESSFUL (total time: 6 seconds)

```



FPT UNIVERSITY