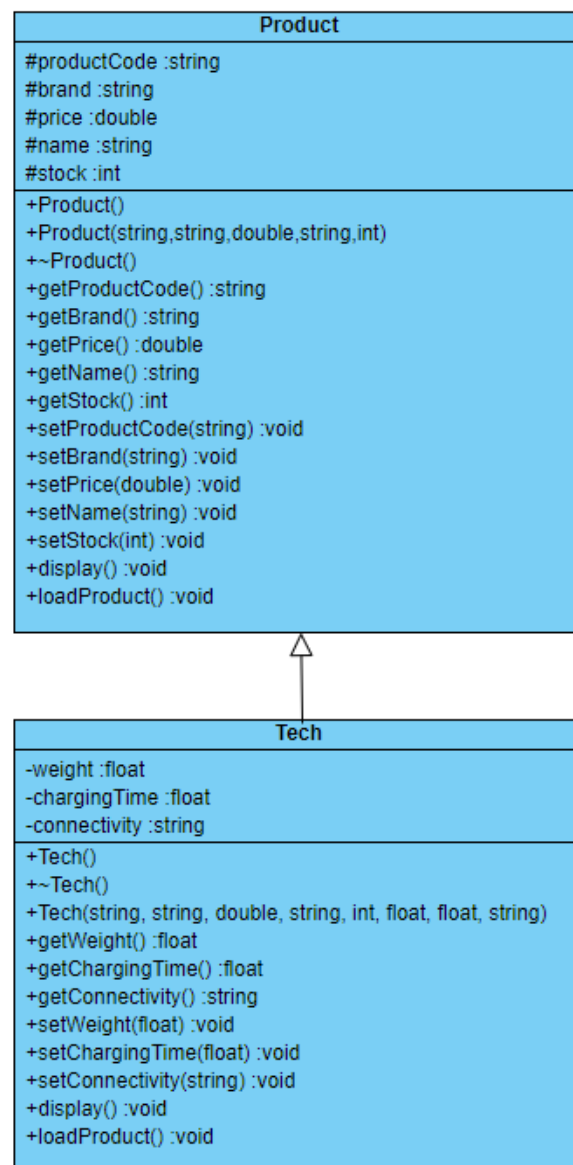


CSE3003 OBJECT ORIENTED PROGRAMMING

(Fall 2022- 2023)

Lab 07 Exercise: Inheritance

Rewiew the product class you created in the 5.week's Exercise. If you want you can include class' files to this week's solution. This is only allowed if the files are yours. Make the necessary changes of Product class according to given diagram. Then, define Tech class. Check diagram to understand the relation between these two classes. Test your classes according to the main function and output given as an example below.



```
int main() {  
    Tech techPro;  
    Tech techPro2("E4325TC", "A", 20560, "headphone", 5, 0.5, 2.5, "Bluetooth 5.0");  
    techPro.setStock(14);  
    techPro.setProductCode("4T5672");  
    techPro.setName("smart watch");  
    techPro.setBrand("B");  
    techPro.setChargingTime(1.5);  
    techPro.display();  
    techPro2.display();  
    Tech techPro3;  
    techPro3.loadProduct();  
    techPro3.display();  
    return 0;  
}
```

Default Constructor -Product
Default Constructor - Tech
Constructor with parameter -Product
Constructor with parameter - Tech

Product Code: 4T5672
Brand: B
Price: 0
Name: smart watch
Stock:14
Weight: 0
Charging Time: 1.5
Connectivity:

Product Code: E4325TC
Brand: A
Price: 20560
Name: headphone
Stock:5
Weight: 0.5
Charging Time: 2.5
Connectivity: Bluetooth 5.0

Default Constructor -Product
Default Constructor - Tech
Product Code: A43564T
Brand: C
Price: 12400
Name: Smartphone
Stock:12
Weight: 0.170
Charging Time: 2.5
Connectivity: Bluetooth

Product Code: A43564T
Brand: C
Price: 12400
Name: Smartphone
Stock:12
Weight: 0.17
Charging Time: 2.5
Connectivity: Bluetooth

Destructor -Tech
Destructor - Product
Destructor -Tech
Destructor - Product
Destructor -Tech
Destructor - Product