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SECTION NO:	01		
SUBJECT CODE :	SWC2333		



LAB TEST

COURSE : OBJECT ORIENTED PROGRAMMING

COURSE CODE: SWC2333/SWC2053

DURATION : 2 HOURS

- 1. This lab test aims to fulfil CLO2 Construct executable programs based on class diagram. (C3, PLO3)
- 2. The marks allocated for this lab test is 15% of total marks.
- 3. This lab test consists of **ONE (1)** question.
- 4. Answer ALL questions and it must be using Eclipse and Microsoft Words.
- 5. Write down your name, ID, Subject Code and Section No on the front page of your answer sheet.
- 6. After you have finished, save you answer including the rubric in one pdf format with your Name, Section No, the name of the assessment and the subject code as the file's name. (Example of the file's name: Ahmad Albab S1 LabTest SWC2333)
- 7. You must submit your answer ONLINE through Google Classroom by 16 June 2022 before 5:30PM

DO NOT OPEN THIS QUESTION PAPER UNTIL YOU ARE TOLD TO DO SO

This question paper consists of 3 printed pages including the front page.

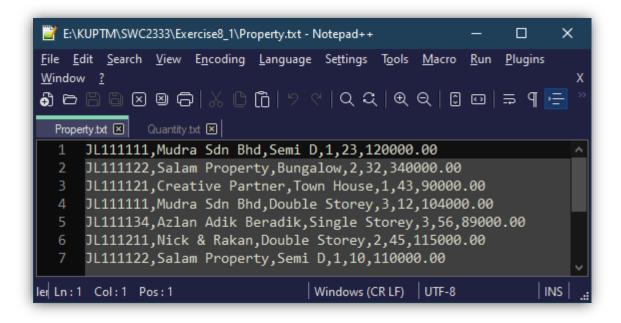
Coding:

```
String Business registration, Property name, House Type;
              double development_phase, costperunit;
              FileWriter fw2 = new FileWriter("total.txt");
             PrintWriter pw2 = new PrintWriter(fw2);
         //Looping to get Quantity of the houses
int SemiD_Quantity = 0, Bungalow_Quantity = 0,TownHouse_Quantity = 0,
DoubleStorey_Quantity = 0, SingleStorey_Quantity = 0;
             double mudra = 0, salam = 0, creative = 0, azlan = 0, nick = 0;
pw2.println("The total cost for each Property is: ");
                   Property name = st.nextToken();
                  House_Type = st.nextToken();
                  costperunit = Double.parseDouble(st.nextToken());
                   if (House_Type.equals("Semi D")) {
    SemiD_Quantity = SemiD_Quantity + total_house;
                   } else if (House Type.equals("Bungalow")) {
                       Bungalow_Quantity = Bungalow Quantity + total house;
                   } else if (House_Type.equals("Town House")) {
                   TownHouse_Quantity = TownHouse_Quantity + total_house;
} else if (House_Type.equals("Double Storey")) {
                       DoubleStorey_Quantity = DoubleStorey_Quantity + total_house;
                   } else if (House Type.equals("Single Storey"))
                       SingleStorey Quantity = SingleStorey Quantity + total house;
                   if (Property_name.equals("Mudra Sdn Bhd")) {
                      mudra = mudra + costperunit;
                       salam = salam + costperunit;
                   } else if (Property_name.equals("Creative Partner")) {
                      creative = creative + costperunit;
                   } else if (Property_name.equals("Azlan Adik Beradik")) {
                       azlan = azlan + costperunit;
                   } else if (Property_name.equals("Nick & Rakan")) {
   nick = nick + costperunit;
             pw1.println("Semi D is " + SemiD Quantity +" houses");
```

```
pw1.println("Bungalow_is " + Bungalow_Quantity +" houses");
   pw1.println("Town House is " + TownHouse Quantity +" houses");
   pw1.println("Double Storey is " + DoubleStorey_Quantity +" houses");
   pw1.println("Single Storey is " + SingleStorey Quantity +" houses");
   pw2.println("Mudra Sdn. Bhd : " + df.format(mudra));
   pw2.println("Creative Partner : " + df.format(creative));
   pw2.println("Nick & Rakan : " + df.format(nick));
   pw1.close();
   pw2.close();
   System.out.print(fnf.getMessage());
 catch (EOFException ex) {
   System.out.println(ex.getMessage());
} catch (IOException io) {
   System.out.print(io.getMessage());
 catch (Exception nf)
   System.out.print(nf);
   System.out.println("System ends here... Bye Bye");
```

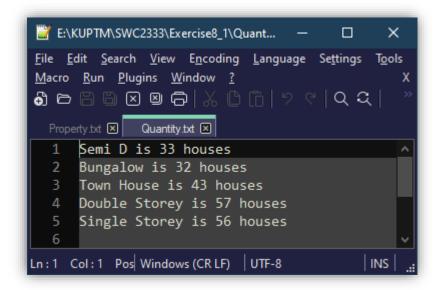
Input:

Property.txt



Output :

Quantity.txt



total.txt

Lab Test Rubric

Student Name: Muhammad Alif Serbaini

Section No:01

Criterion	% of Grade	Excellent (100%)	Adequate (80%)	Poor (60%)	Not Met (0%)	
Program Specifications / Correctness	50	Program works correctly and meets all specification(s). (41 – 50)	Some program functions work incorrect. Minor details of the program specification are violated. (31-40)	Significant details of the specification are violated, program often exhibits incorrect behavior. (21 – 30)	Program only functions correctly in very limited cases or not at all. (0 – 20)	
Marks given						
Input File	10	The input file is read at the right path as coded in the program and correct data is inserted (8 – 10)	The input file can be read and but little correct of data inserted (5 – 7)	Evidence of input file and it cannot be read (3 – 4)	No evidence of input file and no data is inserted $(0-2)$	
Marks given						
Readability	10	code is clean, understandable, and well-organized (8 – 10)	Minor issues with consistent indentation, use of whitespace, variable naming, or general organization. (5 – 7)	At least one major issue with indentation, whitespace, variable names, or organization.	Major problems with at three or four of the readability subcategories.	
Marks given						
Code Efficiency	10	No errors, code uses the best approach in every case. (8 – 10)	No error. Acceptable approach of code use. (5 – 7)	Code uses poorly-chosen approaches in at least one place. (3 – 4)	Code uses poorly-chosen approaches in all places. (0 – 2)	
Marks given						
Internal Documentation	10	code is well- meaningful commented (8 – 10)	code is overly commented. (5 – 7)	code is lacking meaningful comments.	uncommented very lack comment (0 – 2)	
Marks given						
Output	10	Full correct output was described (8 – 10)	Little correct evidence was described (5 – 7)	Incorrect output (3 – 4)	No evidence and testing section $(0-2)$	
Marks given						
Total		/ 100%				
Comment						