**AI Assisted Problem Solving Using Python**

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Program Name: M.Tech (CSE)

**Lab 3 : Application for TGNPDCL**

**Objective:**

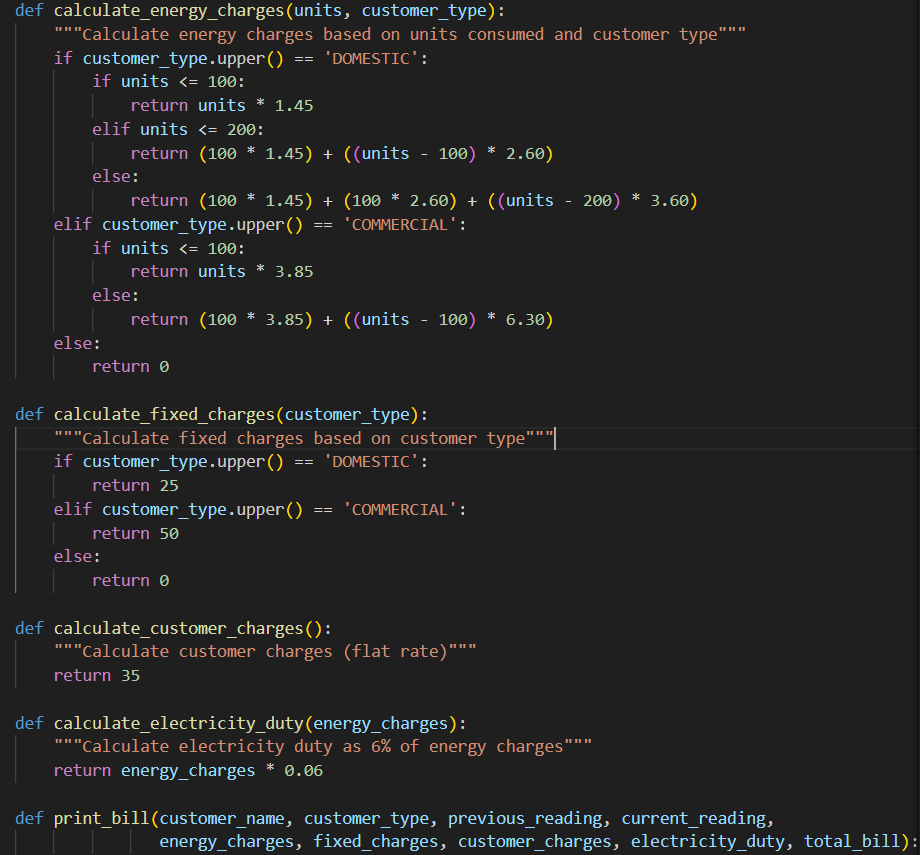
Build an application using Python program for TGNPDCL, to generate the bill based on energy consumption and type of customer with the help of AI tools. Build a python application as per below instructions  
• Read all the required data like PU,CU and Type of customer  
• Calculate bill amount based on number of units consumed, type of customer and other charges  
• Finally print the values of EC(Energy Charges),FC(Fixed Charges),CC(Customer Char-ges),ED(Electricity Duty Charges),bill as per expected output

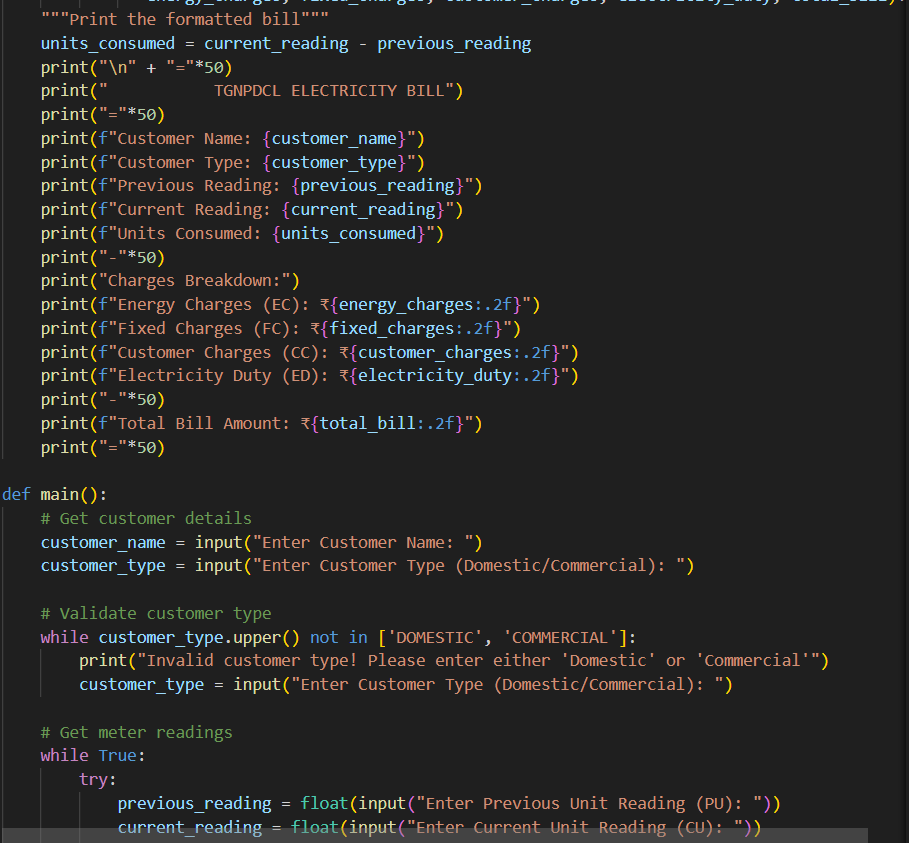
**Requirements:**  
• VS Code with Github Copilot and/or Google Colab with Gemini  
• Students should bring power bill from their home  
Deliverables:  
• Print energy bill for given inputs and verify with bill taken by students

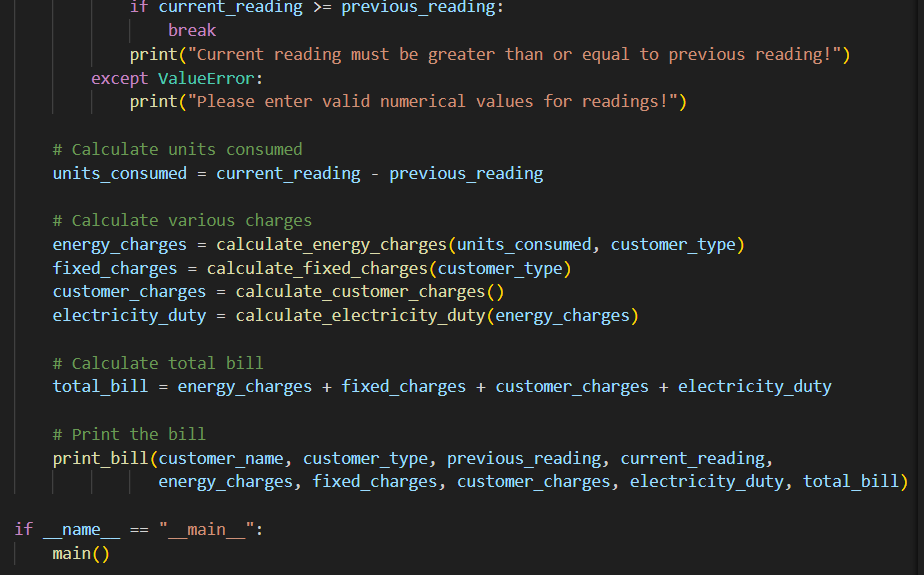
**Prompt:**

Generate a python program for TGNPDCL, to create a bill based on energy consumption and type of customer. Read all the required data like PU,CU and Type of customer , Calculate bill amount based on number of units consumed, type of customer and other charges. Finally print the values of EC(Energy Charges),FC(Fixed Charges),CC(Customer Charges),ED(Electricity Duty Charges) and Total Bill.

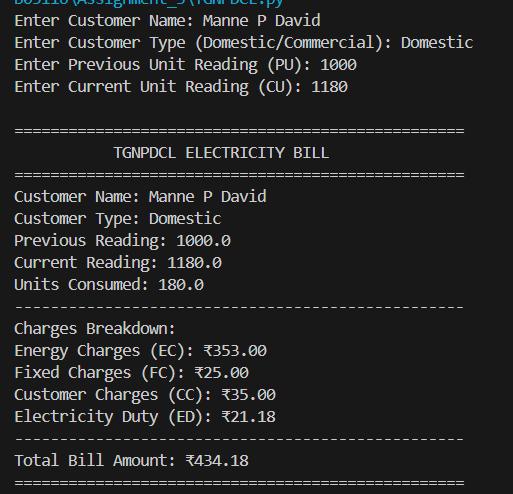
**CODE:**

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**OUTPUT:**

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