Calculator code

```
# welcome message
print("Welcome to the global energy bill calculator")
# user input
acc number = int(input("Enter your account number: "))
month_number = int(input("Enter your month number: "))
electricity_plan = input("Enter your electricity plan: ")
electricity used = float(input("Enter your electricity used: "))
gas_plan = input("Enter your gas plan: ")
gas_used = float(input("Enter your gas used: "))
province = input("Enter your province abbreviation(two letters): ")
# fixed charges
fixed_monthly_fee = 120.62
fixed_gas_monthly_fee = 1.32
# electricity charges
EFIR = 8.36 * 0.01
EFIR_more_than_1000 = 9.41 * 0.01
EFLR = 9.11 * 0.01
# Gas charges
GFIR = 4.56 * 0.01
GFIR_more_than_950 = 5.89 * 0.01
GFLR= 3.93 * 0.01
# Converting to canadian dollars
convert = 0.01
if (province == "AB" or "BC" or "MB" or "NT" or "NU" or "OC" or "SK" or "YT"):
    tax rate = 1.05
elif (province == "ON"):
    tax_rate = 1.13
elif (province == "NB" or "NL" or "NS" or "PE"):
    tax rate = 1.15
if electricity_plan == "EFIR":
    if electricity_used <= 1000:</pre>
        electricity_bill = electricity_used * EFIR
    else:
        electricity_bill = 1000 * EFIR + ((electricity_used - 1000 ) *
EFIR_more_than_1000)
elif electricity plan == "EFLR":
    electricity_bill = electricity_used * EFLR
```

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if gas_plan == "GFIR":
    if gas_used <= 950:
        gas_charge = gas_used * GFIR
    else:
        gas_charge = 950 * GFIR + (gas_used - 950) * GFIR_more_than_950
elif gas_plan == "GFLR":
    gas_charge = gas_used * GFLR

gas_bill = gas_charge + fixed_gas_monthly_fee

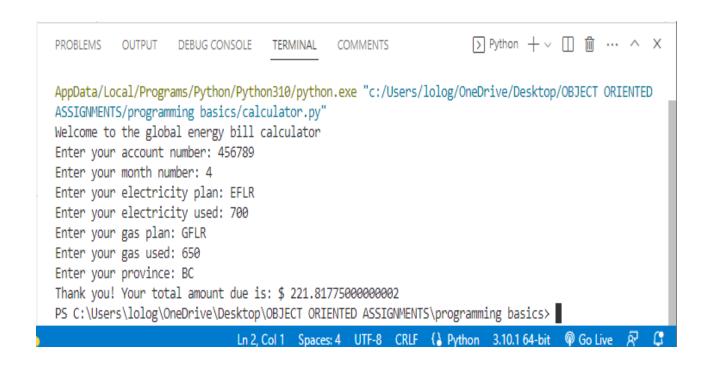
total = ((electricity_bill + gas_bill + fixed_monthly_fee) * tax_rate)
print("Thank you! Your total amount due is: $", total)</pre>
```

test 1 result screenshot

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
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ASSIGNMENTS/programming basics/calculator.py"
Welcome to the global energy bill calculator
 Enter your account number: 123456
 Enter your month number: 2
 Enter your electricity plan: EFIR
 Enter your electricity used: 500
 Enter your gas plan: GFIR
 Enter your gas used: 700
 Enter your province: AB
 Thank you! Your total amount due is: $ 205.443
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Test 2 result screenshot



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