

**Besant Technologies Python Course:**  
**Python Assignment (done by Vaishnav Nishanth AV):**  
**Day 4 (02/08/23):**

**Task:** With min of 10 variables, use f string to create a dynamic user input function from the information given.

**Code:**

```
print("")
print("                EB Department Information Collection Team")
print("")

name=input("Enter the House Owner Name: ")
number=int(input("Enter the Number of members in the house: "))
house_number=input("Enter the House Number: ")
units_used=float(input("Enter the electricity units used: "))
fans=float(input("Enter the electricity units used in fans: "))
lights=float(input("Enter the electricity units used in lights: "))
others=float(input("Enter the electricity units used in all others: "))
unit_amount=int(input("Enter the price amount of single unit: "))
total_unit_amount=unit_amount*units_used
gst_percent=int(input("Enter the percentage of gst for EB: "))
total_amount=total_unit_amount*(1+gst_percent)

print("")
print(f"{name} with {number} of his family members living on a house number {house_number} \nhave used electric units of fans as {fans} and lights as {lights} \nand on others as {others} generated an EB Bill of total of {units_used} units.")
print(f"With each unit as Rs.{unit_amount}, the total units sums up the electricity cost of \nRs.{total_unit_amount}. And in the addition of gst of {gst_percent}%, \nthe total amount on bill to be paid is {total_amount}")
print("")
```

## Screen shot:

```
Assignment #2 (Day#4) [02.08.23].py ×
Assignments > Assignment #2 (Day#4) [02.08.23].py > ...
1  print("")
2  print("                EB Department Information Collection Team")
3  print("")
4
5  name=input("Enter the House Owner Name: ")
6  number=int(input("Enter the Number of members in the house: "))
7  house_number=input("Enter the House Number: ")
8  units_used=float(input("Enter the electricity units used: "))
9  fans=float(input("Enter the electricity units used in fans: "))
10 lights=float(input("Enter the electricity units used in lights: "))
11 others=float(input("Enter the electricity units used in all others: "))
12 unit_amount=int(input("Enter the price amount of single unit: "))
13 total_unit_amount=unit_amount*units_used
14 gst_percent=int(input("Enter the percentage of gst for EB: "))
15 total_amount=total_unit_amount*(1+gst_percent)
16
17 print("")
18 print(f"{name} with {number} of his family members living on a house number {house_number} \nhave used electric units
19 print(f"With each unit as Rs.{unit_amount}, the total units sums up the electricity cost of \nRs.{total_unit_amount}.
20 print("")
```

## Output:

```
                EB Department Information Collection Team

Enter the House Owner Name: Prakash
Enter the Number of members in the house: 4
Enter the House Number: 265/1A/2D
Enter the electricity units used: 400
Enter the electricity units used in fans: 100
Enter the electricity units used in lights: 120
Enter the electricity units used in all others: 180
Enter the price amount of single unit: 5
Enter the percentage of gst for EB: 18

Prakash with 4 of his family members living on a house number 265/1A/2D
have used electric units of fans as 100.0 and lights as 120.0
and on others as 180.0 generated an EB Bill of total of 400.0 units.
With each unit as Rs.5, the total units sums up the electricity cost of
Rs.2000.0. And in the addition of gst of 18%,
the total amount on bill to be paid is 38000.0
```