**Ques –**

Write a program that calculates the total amount of a meal purchased at a restaurant. The program should ask the user to enter the charge for the food and then calculate the amounts with an 18 percent tip and 7 percent sales tax. Display each of these amounts and the total price.

**Challenges Faced –** None

**Code** –

def calculate\_tip(foodCharges):

    tip\_percent = 18

    tip\_amount = foodCharges \* (tip\_percent/100)

    return tip\_amount

#print(calculate\_tip(100.00))

def calculate\_sales\_tax(foodCharges):

    sales\_tax\_percent = 7

    sales\_tax = foodCharges \* (sales\_tax\_percent/100)

    return sales\_tax

#print(calculate\_sales\_tax(100.00))

def calculate\_total\_amount(foodCharges):

    total = foodCharges + calculate\_tip(foodCharges) + calculate\_sales\_tax(foodCharges)

    return total

food\_charge = float(input("Enter the total charges : $"))

print("\nBill Details\n--------------")

print(f"Food Bill      = ${food\_charge:.2f}")

print(f"Sales Tax (7%) = ${calculate\_sales\_tax(food\_charge):.2f}")

print(f"Tip (18%)      = ${calculate\_tip(food\_charge):.2f}")

print(f"--------------\nTotal Amount ${calculate\_total\_amount(food\_charge):.2f}\n")

**Execution –**

**A screen shot of a computer

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