

TASK 6

DHARMA DEVI K

ARULMIGU MEENAKSHI AMMAN COLLEGE OF ENGINEERING

B. TECH (INFORMATION TECHNOLOGY) – FINAL YEAR

1. Bill generation:

PROGRAM:

```
Recipes=["Pizza", "Burger", "Pasta", "Sandwich", "Fries", "Tacos", "Salad", "Soup", "Noodles",  
"Dosa", "Parota", "Chapati", "Idly", ""]
```

```
print("Welcome to Grand Hotel!!!")
```

```
R =input("Enter the Food Name:")
```

```
if R in Recipes:
```

```
    Price=int(input("Enter the price of food: "))
```

```
    QTY=int(input("Enter the quantity of food: "))
```

```
    Total_Price=Price*QTY
```

```
    print("Total Price:", Total_Price)
```

```
    f1=open("Recipes.txt","w")
```

```
    f1.write(f"Food Name is:{R}\n")
```

```
    f1.write(f"Price is:{Price}\n")
```

```
    f1.write(f"Quantity is:{QTY}\n")
```

```
    f1.write(f"Total Price is:{Total_Price}\n")
```

```
    print("Your Bill is generated")
```

```
    f1=open("Recipes.txt","r")
```

```
    print(f1.read())
```

```
    f1.close()
```

```
else:
```

```
    print("Given Recipe is not available in my hotel")
```

OUTPUT 1:

Welcome to Grand Hotel!!!

Enter the Food Name:Pasta

Enter the price of food: 110

Enter the quantity of food: 2

Total Price: 220

Your Bill is generated

Food Name is: Pasta

Price is:110

Quantity is:2

Total Price is:220

OUTPUT 2:

Welcome to Grand Hotel!!!

Enter the Food Name: Rice

Given Recipe is not available in my hotel

The screenshot displays a Jupyter Notebook environment with the following components:

- Files Panel:** Located on the left, it shows a directory structure with 'sample_data' and 'Recipes.txt'. 'Recipes.txt' is circled in red.
- Code Editor:** The central area contains a Python script. It defines a list of recipes, prompts the user for a food name, and checks if it exists in the list. If it does, it prompts for price and quantity, calculates the total price, and writes this information to 'Recipes.txt'. If not, it prints a message that the recipe is not available. The script is also circled in red.
- Output Panel:** On the right, it shows the execution output. The first part shows the program's welcome message and the user input 'Rice'. The second part shows the contents of 'Recipes.txt' after a previous run, which are circled in red: 'Food Name is:Pasta', 'Price is:110', 'Quantity is:2', and 'Total Price is:220'.