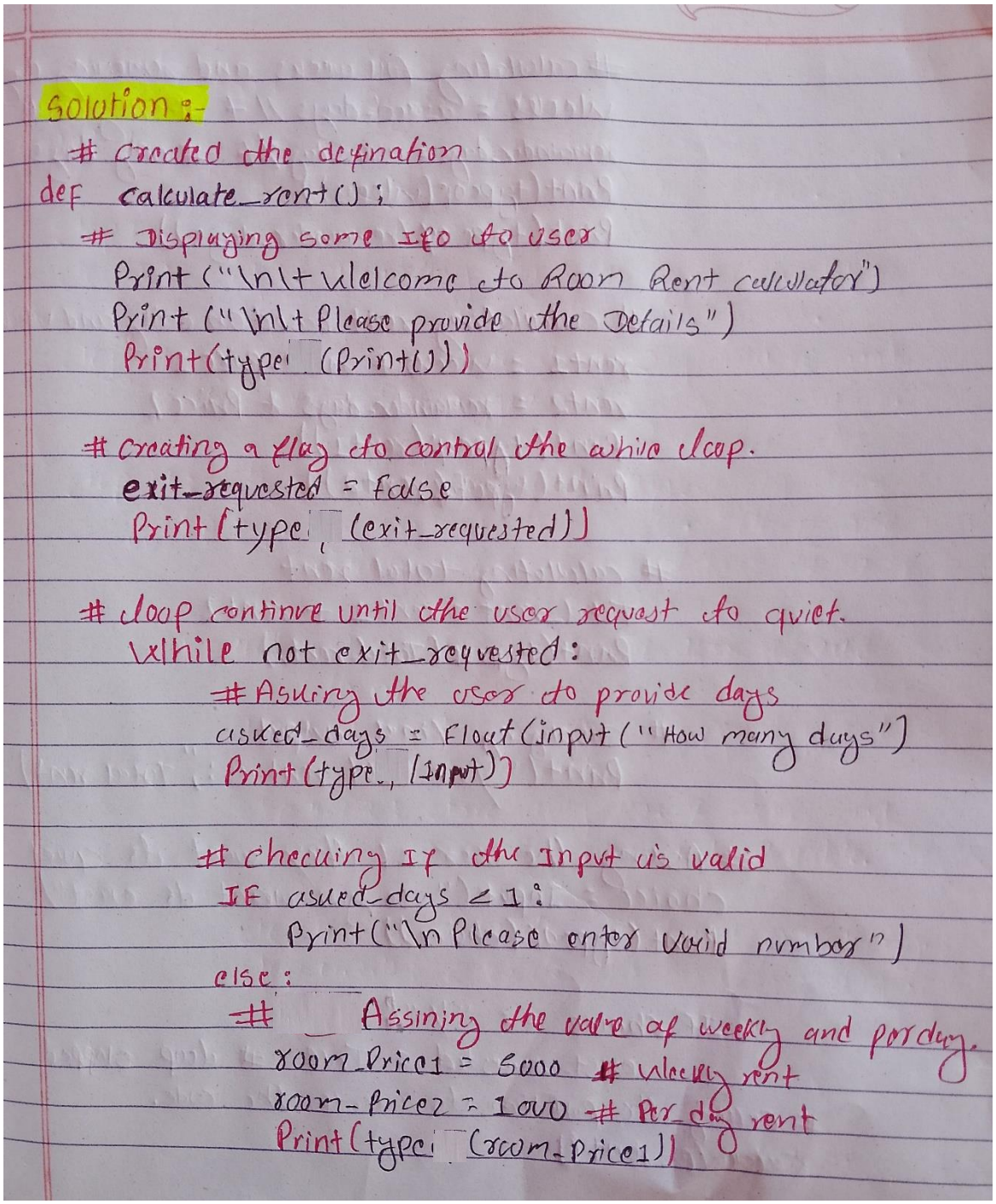
Q1. WAP that would calculate the price of rent the guest has to pay for a room. Cost should be calculated as Rs. 5000 per week or Rs. 1000 per day. Eg. If user wants to rent for 10 days, the total should be Rs. 8000 (Rs.5000 for a week and 3000 for remaining 3 days) and so on.

Ask for how many days the guest wants to rent the room for and show the total bill. The program should terminate on user request only.



Solution :-

```
# Created the defination
def calculate_rent():
    # Displaying some Ifo to user
    Print("\n\t welcome to Room Rent calculator")
    Print("\n\t Please provide the Details")
    Print(type(Print()))

# creating a flag to control the while loop.
    exit_requested = false
    Print(type(exit_requested))

# loop continue until the user request to quiet.
    while not exit_requested:
        # Asking the user to provide days
        asked_days = Float(input("How many days"))
        Print(type(Input))

        # checcuing if the Input is valid
        IF asked_days < 1:
            Print("\n Please enter valid number")
        else:
            #  Assining the value of weekly and per day.
            room_Price1 = 5000 # wkly rent
            room_Price2 = 1000 # Per day rent
            Print(type(room_Price1))
```

```
# calculating full weeks and remaining days
weeks = asked_days // 7 # only weeks
remainder_days = asked_days % 7 # only days
Print(type [weeks])
Print(type [remainder_days])

# calculating rent based on daily and weekly.
rent1 = weeks * room_price 1
rent2 = remainder_days * Price 2
Print(type [rent1])
Print(type [rent2])

# calculating total rent
Total_rent = rent1 + rent2
Print(type [Total_rent])

# Displaying final output
Print("your total rent is:", Total rent)

# Asking the user if they want to quit
choice = Input("Do you want to exist")
Print(type [choice])

IF choice == "y":
    exist_requested = True # loop stopped
# calling the function to excute the code.
Calculate_rent()
```

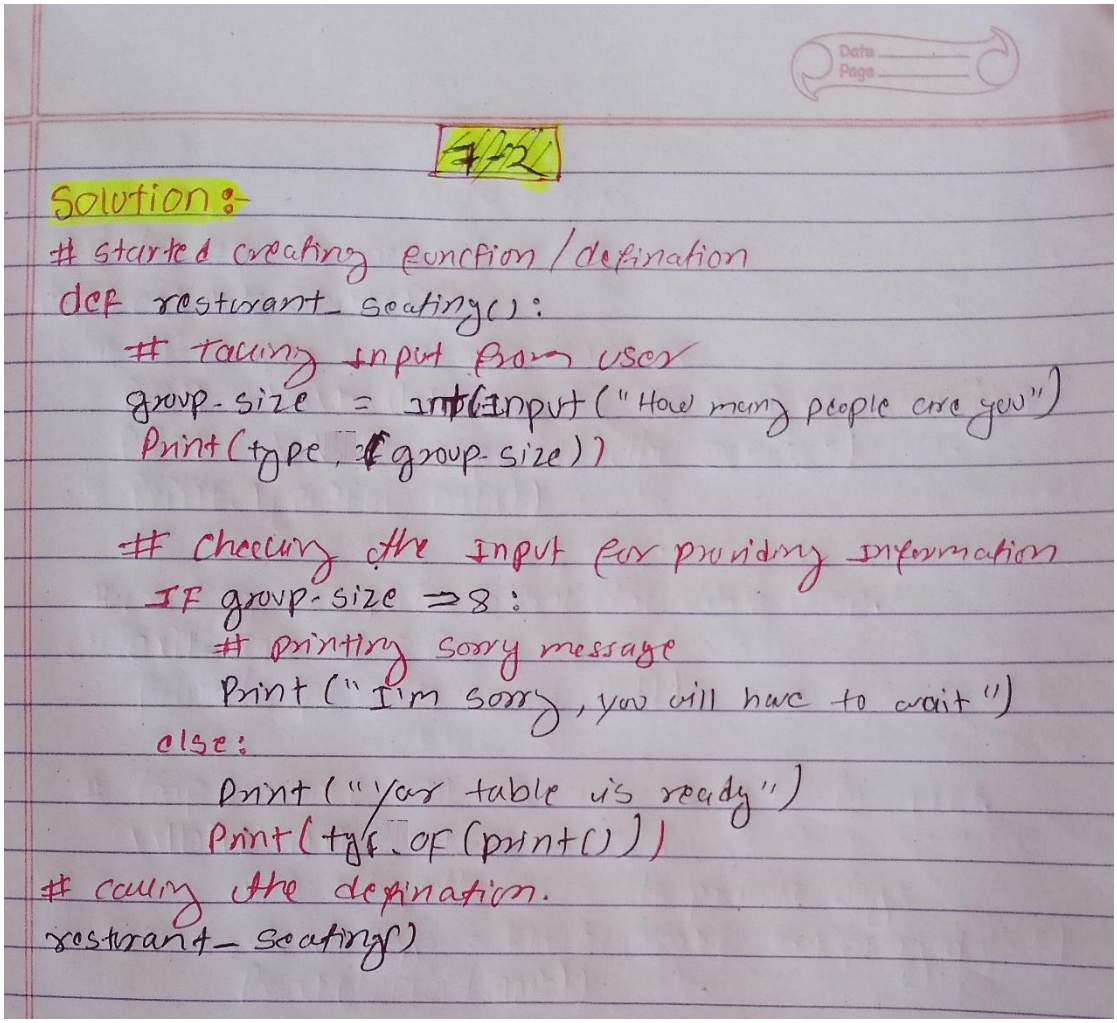
Output :-

```
      Welcome to Room Rent Calculator!
----------------------------------------
Please provide the following details to proceed:


<class 'NoneType'>
<class 'bool'>
How many days do you want to book this room? 17
<class 'float'>
<class 'int'>
<class 'float'>
<class 'float'>
<class 'float'>
<class 'float'>
Total rent is Rs: 13000.0
<class 'float'>
Do you want to quit? "Y/N": y
<class 'str'>
```

Q2. Solve one problem from the book referred from chapter 2 or 5 or 7!

7-2. Restaurant Seating: Write a program that asks the user how many people are in their dinner group. If the answer is more than eight, print a message saying they'll have to wait for a table. Otherwise, report that their table is ready



Output :-

```
How many people are in your dinner group? 5
<class 'int'>
Your table is ready.

<class 'NoneType'>
```