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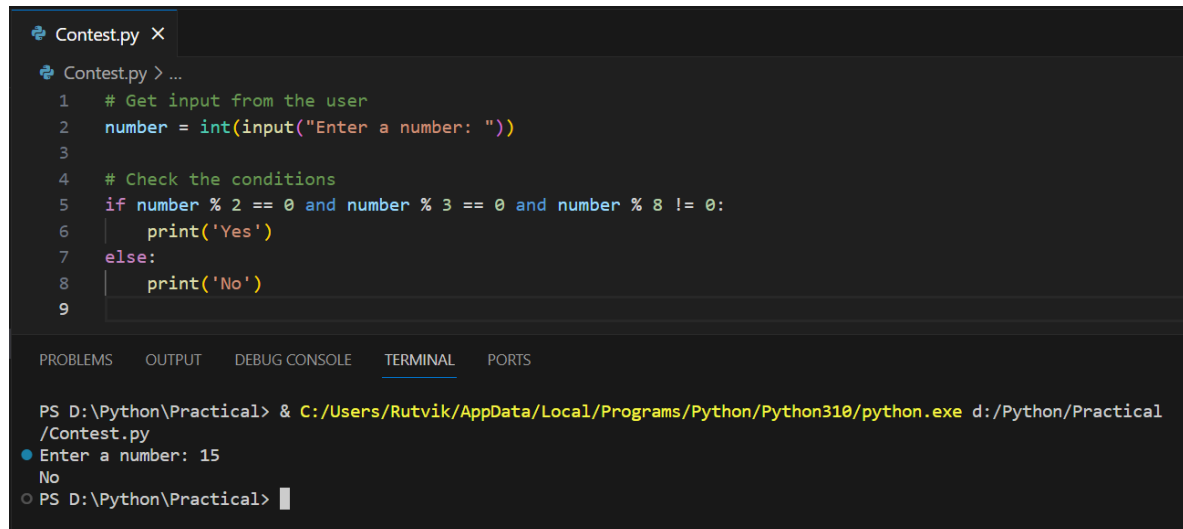
Contact - 7776801930

Q.1 Match the column:

Ans -

Float	→	20.3586
String	→	"156"
Python 3 Release date	→	3 December 2008
Full form of CWS	→	Coding With Sagar
Founder of python	→	Guido Van Rossum

Q.2 Ask a number from user. Print 'Yes' if the number is divisible by 2,3 but not 8. Otherwise print 'No'.

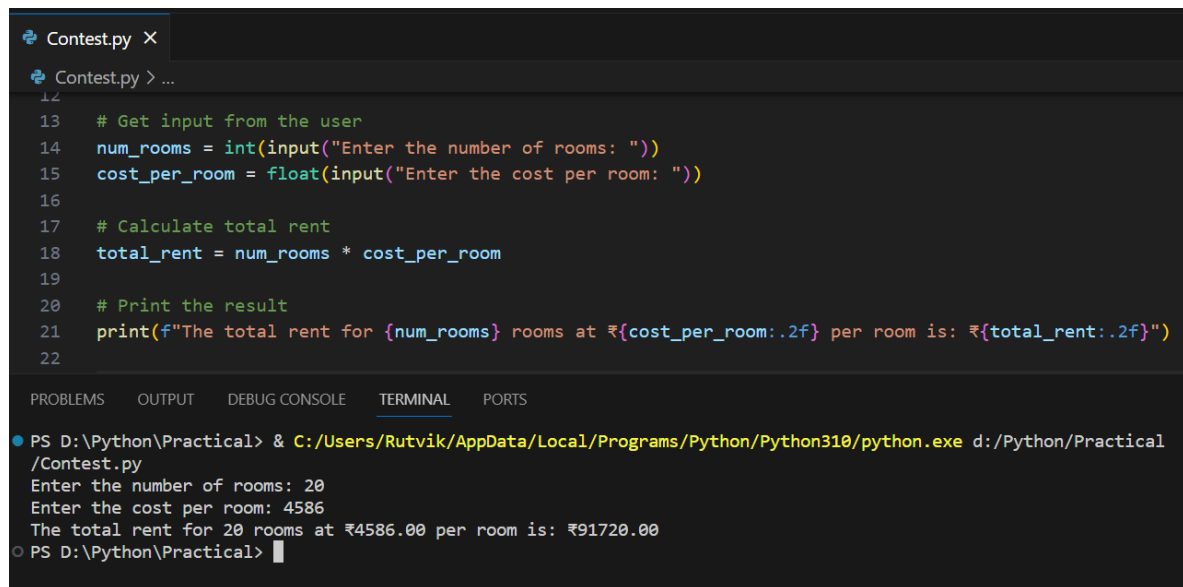


```
Contest.py X
Contest.py > ...
1  # Get input from the user
2  number = int(input("Enter a number: "))
3
4  # Check the conditions
5  if number % 2 == 0 and number % 3 == 0 and number % 8 != 0:
6      print('Yes')
7  else:
8      print('No')
9

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical/Contest.py
● Enter a number: 15
No
○ PS D:\Python\Practical> 
```

### Q.3 Implement Rent Calculator in Python



The image shows a code editor window titled 'Contest.py' with a Python script for a rent calculator. The script prompts the user for the number of rooms and the cost per room, calculates the total rent, and prints the result. Below the code editor is a terminal window showing the execution of the program. The terminal output shows the user entering 20 for the number of rooms and 4586 for the cost per room, resulting in a total rent of ₹91720.00.

```
12
13 # Get input from the user
14 num_rooms = int(input("Enter the number of rooms: "))
15 cost_per_room = float(input("Enter the cost per room: "))
16
17 # Calculate total rent
18 total_rent = num_rooms * cost_per_room
19
20 # Print the result
21 print(f"The total rent for {num_rooms} rooms at ₹{cost_per_room:.2f} per room is: ₹{total_rent:.2f}")
22
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
● PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
/Contest.py
Enter the number of rooms: 20
Enter the cost per room: 4586
The total rent for 20 rooms at ₹4586.00 per room is: ₹91720.00
○ PS D:\Python\Practical> █
```

Q.4 What have you learned since the start of this class till now, write the names of the topics and how was your overall experience in the class.

Name of topics – Installation part

Introduction of python

Variables

Data type , conversion of data type

If elase

Nested if

Mini project , question solving

It was very informative and interesting session. The method of teaching was excellent. Truly it will be very helpful for my career .

Thanks for amazing experience.

Q.5 Fill in the blanks:

a- An ordered set of instructions or commands to be executed by a computer is called a **Program** .

b-Full form of IDLE is **Integrated Development and Learning Environment**

c-**A Variable** is an identifier whose value can change.

d- 33 are reserve words.

Q.6 MCQ-

A- Which of the following is true about the code below?

```
x=3
```

```
if (x > 2): x = x* 2;
```

```
if (x > 4):
```

```
e
```

```
x = 0; print(x)
```

**Ans - c. if x is greater than 2, x will equal 0 after this code executes**

B-True is what type of variable?

**Ans - c. Boolean**

C-What is the output from the following code?

```
a=3 b = (a != 3)
```

```
print(b)
```

**Ans – b. False**


Q.7 An extra day is added to the calendar almost every four years as February 29, and the day is called a leap day. A leap year contains a leap day.

Two conditions are used to identify leap years:

If the year can be evenly divided by 4, it is then a leap year. But if year is evenly divided by 4 and also by 100, then it is NOT a leap year. But if year is evenly divided by 4 and also by 400, then it is a leap year.

This means the years 2000 and 2400 are leap years, while 1800, 1900, 2100, 2200, 2300 and 2500 are NOT leap years.

Ask a year input from user. And tell if the year entered by user is leap or not.



The image shows a code editor with a file named 'Contest.py' and a terminal window below it. The code in the editor checks if a year is a leap year based on the conditions: divisible by 4 but not by 100, or divisible by 400. The terminal shows the execution of the program with the input '2004', resulting in the output '2004 is a leap year.'

```
Contest.py X
Contest.py > ...
27 # Get input from the user
28 year = int(input("Enter a year: "))
29
30 # Check if it's a leap year
31 if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
32 |     print(f"{year} is a leap year.")
33 else:
34 |     print(f"{year} is not a leap year.")
35

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\Python\Practical> & C:/Users/Rutvik/AppData/Local/Programs/Python/Python310/python.exe d:/Python/Practical
./Contest.py
Enter a year: 2004
2004 is a leap year.
PS D:\Python\Practical>
```