

Q.1 Match the column:

A	B(answer)
1. Float	20.3586
2. String	"156"
3. Python 3 Release date	3 December 2008
4. Full form of CWS	Coding With Sagar
5. 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'

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2,3 but not 8. Otherwise print 'No'

```
In [3]: # user input stored in user_number variable
user_number = int(input("Enter the number - "))

# check if number is devesible by 2,3 but not 8
if user_number % 2 == 0 and user_number % 3 == 0 and user_number % 8 != 0:
    print("Yes")
else:
    print("No")
```

Enter the number - 234
Yes

Q.3 Implement Rent Calculator in Python

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```
In [4]: # first input is int because day is a number
numberOfDays = int(input("How many days you will stay? "))
# second input is in float because rent can be a floating number
rentAmount = float(input("Enter the rent amount per day - "))

total_rent = numberOfDays * rentAmount # calculate the totel of rent
print(f"The totle rent is:- {total_rent}")
```

How many days you will stay? 12
Enter the rent amount - 1000
The totle rent is:- 12000.0

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.

Ans:- On the first day we start with Python introduction and who is the creator of Python and etc.

After that, we start setup up a system to program with Python language. For that, we install Python and all. And then we code over the first program print("Hello world!").

The topic name is variables, operators(in operators Assignment operators, comparison, logical, etc), if, Elif, else, nested if condition, comments, data types, projects like carrier guidance, etc.

Overall I learned a lot of things it was excellent.

Q.5 Fill in the blanks:

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

Ans:- program

b- Full form of IDLE is

Ans:- Integrated Development and Learning Environment

c-is an identifier whose value can change.

Ans:- Variable

d-are reserve words.

Ans:- Keywords are reserved words ex:- if, else, True, False

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):
```

```
    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.

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February 29, and the day is called a leap day. A leap year contains a leap day.

```
In [7]: input_year = int(input("enter the year: "))

if (input_year % 4 == 0 and input_year % 100 != 0) or (input_year % 400 == 0):
    print(f"{input_year} year is leap year")
else:
    print(f"{input_year} year is not a leap year")

enter the year: 2000
2000 year is leap year
```

Q.8 You are tasked with creating a program for a CWS contest results calculation system. The program should take in the following inputs from the user: Each question is of 5 marks.

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```
In [11]: num_of_que = (int(input("How many number of questions in the contest? ")))
num_of_ans = (int(input("How many Number of correct answers given by contestant? ")))

# calculate The totel marks earned
totle_marks = num_of_ans * 5

# calculate the percentage of totel mark earned
percentage = (totle_marks / (num_of_que * 5)) * 100

# based on percentage define grade

if percentage >= 91:
    final_grade = "A"
elif percentage >= 81:
    final_grade = "B"
elif percentage >= 71:
    final_grade = "C"
elif percentage >= 61:
    final_grade = "D"
else:
    final_grade = "F"
```

```
# based on percentage define grade

if percentage >= 91:
    final_grade = "A"
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    final_grade = "B"
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# display the results
print("Total marks earned:", totle_marks)
print("Percentage of total marks earned:", percentage, "%")
print("Final grade:", final_grade)
```

```
How many number of questions in the contest? 10
How many Number of correct answers given by contestant? 9
Total marks earned: 45
Percentage of total marks earned: 90.0 %
Final grade: B
```

In []: