



BRAINWARE UNIVERSITY

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Laboratory Report / Workshop / Assignment Submission

Session - 2024 - 25

Lab Report No: - 3

Topic Title: - Determine Eligibility for Exam based on Attendance Percentage

Name of the Department: - Cyber Science & Technology

Programme Name: - B.Sc (H) ANCS 2024

Semester / Year: - Semester-2, 2024-2025

Course Code: - VAC09009

Course Name: - Python Programming Lab

Name of the Student: - Rupankari Chakraborty.

Roll No: -

Registration No: -

Student Code: -BWU/BNC/24/ 157

A handwritten signature in red ink, enclosed in a red circular stamp. Below the signature, the date "12.02.25" is written in red ink.

Q.1 Write a python programme to determine eligibility for exam based on attendance percentage.

input: total_class = float(input("Enter the total class"))
 class_attended = float(input("Enter the class attended"))
 Percentage = (class_attended/total_class)*100
 if percentage >= 75:
 print("You can attend the exam")
 else:
 print("You can't attend the exam")

Output: Enter the total class 100
 Enter the class attended 79
 You can attend the exam.

Q.2 Write a python programme to calculate the grade of a student's given marks percentage.

input: marks_percentage = float(input("Enter percentage of marks"))
 if marks_percentage > 90:
 print("You got O grade")
 elif marks_percentage > 80:
 print("You got A+ grade")
 elif marks_percentage > 70:
 print("You got A grade")
 elif marks_percentage > 60:
 print("You got B+ grade")
 elif marks_percentage > 50:
 print("You got B grade")
 elif marks_percentage > 40:
 print("You got a C grade")
 else:
 print("You got ~~a~~ grade failed")

Output: Enter your percentage of marks in exams 45
You got a C grade

Q.3 Write a python programme to check whether a given year is leap year or not.

```
input: year = int(input("Enter the year"))
if (year % 4 == 0 and year % 100 != 0) or
    (year % 400 == 0):
    print("It's a leap year")
else:
    print("It's not a Leap year")
```

Output: Enter the year 1900
It's not a Leap year

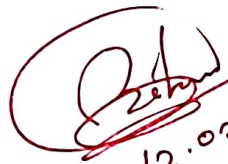
Q.4 Write a python programme to implement a calculator using switch case.

```
Input: print("Welcome to calculator")
print("enter 1 if you want to add")
print("enter 2 if you want to subtraction")
print("enter 3 if you want to division")
print("enter 4 if you want to multiply")
sign = float(input("enter the number of operation"))
num1 = float(input("enter the 1st value"))
num2 = float(input("enter 2nd value"))
match sign:
    case 1:
        print(num1 + num2)
    case 2:
        print(num1 - num2)
    case 3:
        if num2 == 0:
            print("Give another number")
            num3 = float(input("enter 2nd value again"))
            print(num1 / num3)
```



```
else:  
    print(num1/num2)  
case 4:  
    print(num1 * num2)  
case default:  
    print("Invalid")
```

Output: WELCOME TO CALCULATOR
enter 1 if you want to add
enter 2 if you want to subtraction
enter 3 if you want to division
enter 4 if you want to multiply
enter the number of operation 3
enter the 1st value 10
enter 2nd value 0
Give another number
enter 2nd value again 5
2.0


12.02.25