

1.write program in python which will except 5 subjects marks student and displays final percentage

```
S1=int(input("Enter S1"))  
S2=int(input("Enter S2"))  
S3=int(input("Enter S3"))  
S4=int(input("Enter S4"))  
S5=int(input("Enter S5"))  
per=(S1+S2+S3+S4+S5)/5  
print(per,"%")
```

Output

```
Enter S113  
Enter S215  
Enter S335  
Enter S456  
Enter S556  
35.0 %
```

```
=== Code Execution Successful ===
```

2.write a program which excepts 5 subjects marks which user calculate percentage,

1. if percentage below 35 fail.
2. if percentage between 35 to 40 pass class.
3. if percentage between 40 to 60 second class.
4. if percentage above 60 to 75 first class.
5. if percentage above 75 distinction.

```
S1=int(input("Enter S1="))
S2=int(input("Enter S2="))
S3=int(input("Enter S3="))
S4=int(input("Enter S4="))
S5=int(input("Enter S5="))
per=(S1+S2+S3+S4+S5)/5
print(per,"%")
if(per<35):
    print("Fail")
elif (per<40):
    print ("pass class")
elif(per<60):
    print("second class")
elif(per<75):
    print("first class")
elif(per>101):
    print("Not applicable")
else:
    print("distinction")
```



```
Enter S1=55
Enter S2=65
Enter S3=87
Enter S4=75
Enter S5=66
69.6 %
first class
```

3. program which ask users age and based on the input display message statement user is eligible for part time job, full time job or not eligible .

```
age = int(input("Enter your age: "))  
if 16 <= age < 18:  
    print("You are eligible for part-time jobs.")  
elif 18 <= age <= 65:  
    print("You are eligible for full-time jobs.")  
else:  
    print("You are not eligible for any job yet.")
```

A screenshot of a code editor with a dark theme. The editor shows the Python code from the previous block. The output of the program is displayed in the console area: "Enter your age: 45" followed by "You are eligible for full-time jobs". The input "45" is shown in a light blue box. Below the console, there is a toolbar with icons for undo, redo, run, search, and other editor functions. A green checkmark is visible in the bottom left corner of the editor window.

```
Enter your age: 45  
You are eligible for full-time jobs
```

4.write a program for food delivery app

condition= 1.ask users you want food break fast, lunch or dinner

2.based on the choice selected by the user for example if user selects breakfast again ask him whether you want south indian or north indian breakfast

3.if user selects south indian ask him whatever he want dosa or idle and whatever user select print the final using you order idle.

```
def food_delivery_app():  
    print("Welcome to the Food Delivery App!")  
    print("Please select your meal:")  
    print("1. Breakfast")  
    print("2. Lunch")  
    print("3. Dinner")  
  
    try:  
        choice = int(input("Enter your choice (1/2/3): "))  
  
        if choice == 1:  
            print("You selected Breakfast.")  
            print("Please select your type of breakfast:")  
            print("1. South Indian")  
            print("2. North Indian")  
  
            breakfast_choice = int(input("Enter your choice (1/2): "))  
  
            if breakfast_choice == 1:  
                print("You selected South Indian breakfast.")  
                print("Please select your item:")  
                print("1. Dosa")  
                print("2. Idli")  
  
                south_indian_choice = int(input("Enter your choice (1/2): "))
```

```
    if south_indian_choice == 1:
        print("You ordered Dosa.")
    elif south_indian_choice == 2:
        print("You ordered Idli.")
    else:
        print("Invalid choice.")

    elif breakfast_choice == 2:
        print("You selected North Indian breakfast.")
        # Implement options for North Indian breakfast if needed

    else:
        print("Invalid choice.")

    elif choice == 2:
        print("You selected Lunch.")
        # Implement options for Lunch if needed

    elif choice == 3:
        print("You selected Dinner.")
        # Implement options for Dinner if needed

    else:
        print("Invalid choice. Please enter a valid option (1, 2, or 3).")

except ValueError:
    print("Invalid input. Please enter a valid choice (numeric value).")

# Run the function to simulate the food delivery app
food_delivery_app()
```



Welcome to the Food Delivery App!

Please select your meal:

1. Breakfast

2. Lunch

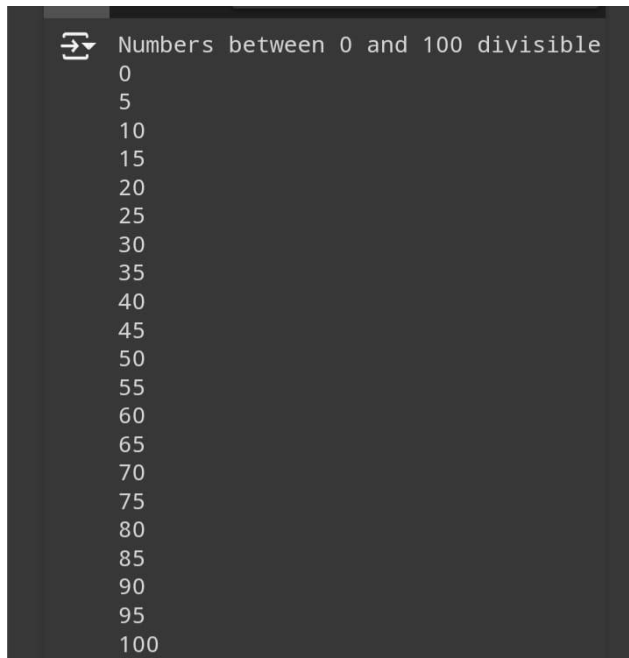
3. Dinner

Enter your choice (1/2/3): 3

You selected Dinner.

5. write a program to print all numbers between 0 to 100 which are divisible by 5

```
def print_numbers_divisible_by_5():  
    print("Numbers between 0 and 100 divisible by 5:")  
    for num in range(0, 101, 5):  
        print(num)  
  
# Run the function to print numbers divisible by 5  
print_numbers_divisible_by_5()
```

A screenshot of a terminal window with a dark background. The first line shows the output of the print statement: "Numbers between 0 and 100 divisible". Below this, a list of numbers from 0 to 100 in increments of 5 is printed, one per line. The numbers are: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, and 100.

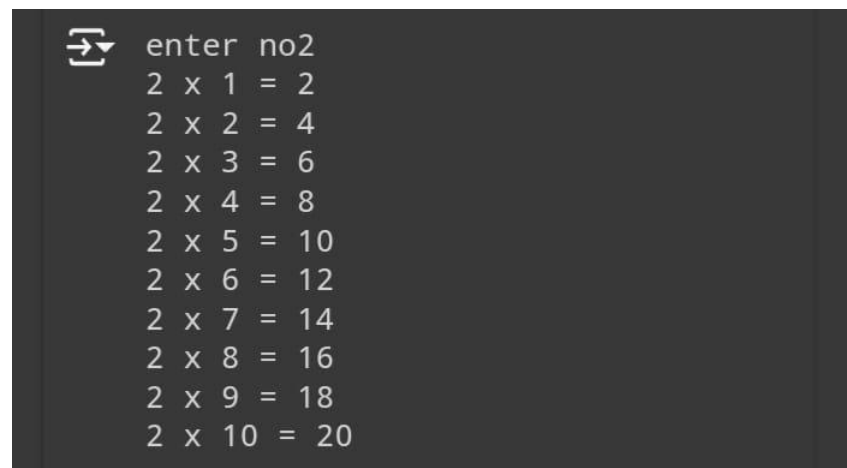
```
Numbers between 0 and 100 divisible  
0  
5  
10  
15  
20  
25  
30  
35  
40  
45  
50  
55  
60  
65  
70  
75  
80  
85  
90  
95  
100
```

6. write a program to print any multiplication table based on number given by users

```
a=int(input("enter no"))
```

```
for i in range (1,11):
```

```
    print(a, "x", i, "=",a*i)
```



```
➞ enter no2
2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20
```


7. ask user to enter the number if its >10 then ask again to enter a number

```
def ask_number():  
    while True:  
        try:  
            number = int(input("Please enter a number: "))  
            if number > 10:  
                print("Number should not be greater than 10. Please try again.")  
            else:  
                print("You entered:", number)  
                break # Exit the loop if the number is <= 10  
        except ValueError:  
            print("Invalid input. Please enter a valid number.")  
  
# Run the function to ask the user for a number  
ask_number()
```

Output

```
Please enter a number: 10
```

```
You entered: 10
```

```
=== Code Execution Successful ===
```