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**PYTHON PROGRAMMING**

**DATE OF PERFORMANCE : 17/08/24**

PRACTICAL 2

**Q.1] Write a program to accept an integer from the user and display whether the number is positive negative or zero**

**Input:**

a=float(input("Enter the number: ")) if a>0 :

print("The number is positive ")

elif a<0 :

print("The number is negative ")

else:

print("The number is zero ")

**Output:**



**Q.2] Write a program to accept an integer from the user and display whether the number is even or odd**

**Input:**

a=float(input("Enter the number: ")) if a%2==0:

print("The number is even ") else:

print("The number is odd ")

**Output:**



**Q.3] Write a program to accept an integer from the user and display its multiplication table**

**Input:**

a=int(input("Enter the number: ")) for i in range(1,11): print(a,"X",i,"=",a\*i)

**output:**



**Q.4] Accept two numbers from the user show menu for all four basic mathematical operation based on input from the user**

**Input:**

a=float(input("Enter the number: ")) b=float(input("Enter the number: ")) print("1.ADD") print("2.SUBTRACT") print("3.MULTIPLY") print("4.DIVIDE") ch=int(input("Enter your choice:")) if ch==1: print("Value is: ",a,"+",b) elif ch==2: print("Value is: ",a,"-",b) elif ch==3: print("Value is: ",a,"\*",b) elif ch==4:

print("Value is: ",a,"/",b) else:

print("The value of ch is from(1-4)wrong choice")

**Output:**



**Q.5] Write the program to display the numbers (-1 to -10) and (-10 to -1) using for loop**

**Input:**

a=int(input(" till which number: ")) for i in range(-1,-11,-1):

print(i)

**Output:**

 **Input:**

a=int(input(" till which number: ")) for i in range(-10,0,1):

print(i)

**Output:**



**Q.6] Write the program to accept a number from user and display its factorial.**

**Input:**

a=int(input("enter the number: ")) fact=1 for i in range (1,a+1): fact=fact\*i print('factorial',fact)

**Output:**



**Q.7] Write a program to accept 2 numbers from user and display a menu of**

**Options:**

**Arithmetic Operations**

* **Add**
* **Subtract**
* **Multiply**
* **Divide**

**Enter your choice (1-4)**

**Accept the choice and perform the respective function. Ask the user whether to continue (Yes/No)**

**Input:**

**Output:**