1. Write a program in Python to perform the following operation:

If a number is divisible by 3 it should print “Consultadd” as a string

If a number is divisible by 5 it should print “Python Training” as a string

If a number is divisible by both 3 and 5 it should print “Consultadd - Python Training” as a string.

x=int(input("Enter a number:"))

if num % 3 == 0 and num % 5 ==0:

    print("Consultadd - Python Training")

if num % 3 == 0:

    print("Consultadd")

if num % 5 == 0:

    print("Python Training")

1. Ask user to choose the following option first:

If User Enter 1 - Addition

If User Enter 2 - Subtraction

If User Enter 3 - Division

If User Enter 4 - Multiplication

If User Enter 5 - Average

Ask user to enter two numbers and keep those numbers in variables num1 and num2

respectively for the first 4 options mentioned above.

Ask the user to enter two more numbers as first and second for calculating the average as

soon as the user chooses an option 5.

At the end if the answer of any operation is Negative print a statement saying “NEGATIVE”

NOTE: At a time a user can only perform one action.

x=int(input("Choose the operation required 1-Addition 2-subtraction 3-Division 4-Multiplication 5-Average :"))

if x not in range(1,6):

    print("Option Invalid!")

else:

    num1=int(input("Enter the first number: "))

    num2=int(input("Enter the second number: "))

    if x==1:

        y=num1+num2

    elif x==2:

        y=num1-num2

    elif x==3:

        y=num1/num2

    elif x==4:

        y=num1\*num2

    elif x==5:

        print("Enter two more numbers: ")

        first=int(input("Enter the 3rd number: "))

        second=int(input("Enter the 4th number: "))

        y=(num1+num2+first+second)/4

if y<0:

    print("NEGATIVE")

else:

    print(" The output of the selected operation",y)

1. Write a program in Python to implement the given flowchart:

a,b,c=100,200,300

avg=(a+b+c)/3

print("avg= ",avg)

if avg>a and avg>b and avg>c:

    print("Avg is higher than a,b,c")

elif avg>a and avg>b:

    print("Avg is greater than a,b")

elif avg>a and avg>c:

    print("Avg is greater than a,c")

elif avg>b and avg>c:

    print("Avg is greater than b,c")

elif avg>a:

    print("Avg is just higher than a")

elif avg>b:

    print("Avg is just higher than b")

elif avg>c:

    print("Avg is just higher than c")

1. Write a program in Python to break and continue if the following cases occurs:

while True:

    i=int(input("Enter a number: "))

    if i<0:

        print("Its over")

        break

    elif i>0:

        print("Good going")

        continue

1. Write a program in Python which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200.

for x in range(2000, 3200):

    if x%7==0 and x%5!==0:

        print(x)

1. .exe c:/Users/Sukhd/Documents/Catenation/first.py

Traceback (most recent call last):

File "c:\Users\Sukhd\Documents\Catenation\first.py", line 2, in <module>

for i in x:

TypeError: 'int' object is not iterable

1. .exe c:/Users/Sukhd/Documents/Catenation/first.py

File "c:\Users\Sukhd\Documents\Catenation\first.py", line 5

if i==3

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SyntaxError: invalid syntax

1. Write a program that accepts a string as an input from the user and calculate the number of digits and letters. Sample input: consul72 Expected output: Letters 6 Digits 2

x=input("Enter a string: ")

d=l=0

for i in x:

    if i.isdigit():

        d+=1

    elif i.isalpha():

        l+=1

    else:

        pass

print("Letters: ",l)

print("digits: ",d)