PYTHON BASIC

(DAY 5)

Continue in operators from DAY 4 :-

# ASSIGNMENT OPERATOR

# It("=") assign value to the variable

x=float(input("Enter number : ")) # assign value 5 in x

# "+="

x+=2 # means x=x+2

x+=x+3 # means x=x+(x+3)

# "-="

x-=3 # means x = x-3

x-= 3\*4 # means x = x-(3\*4)

# "\*="

x\*=4 #means x = x\*4

x\*= x/4 # means x = x\*(x/4)

# "/="

x/=5 # means x = x/5

x/= 3+4\*12 # means x = x/(3+4\*12)

#"%="

x%=2 # means x = x%2

#"//="

x//=5 # means x = x//5

# CAMPARISON OPERATORS

x=int(input("Enter num1 :"))

y=int(input("Enter num2 :"))

# "==" EQUAL OPERATOR (TO CHECK VALUE IS SAME OR NOT)

print(x==y) #give true if x equal to y

# "!=" NOT EQUALS TO

print(x!=y) #give true if x is not equal to y

# "<=" LESS THAN EQUALS TO

print(x!=y) #give true if x is less than equal to y

# ">=" GREATER THAN EQUALS TO

print(x!=y) #give true if x is greater than equal to y

IF-ELSE CONDITIONS

The if...else statement in Python is used to execute a block of code based on a condition. If the condition is true, a block of code will be executed, otherwise, another block of code will be executed.

# <<<<<<<<< IF-ELSE CONDITIONS >>>>>>>>>>>>>>

# SYNTAX :- if (conditions) :

# code...

# else:

# code...

age = int(input("Enter your age : "))

# WRITE A CODE IN WHICH IF AGE IS GREATER THAN 18 THEN PRINT OUT "YOU CAN VOTE AND VICE-VERSA"

if age>18 :

print("You can vote")

else :

print("You can not vote")

# <<<<<<<< NESTED IF - ELSE CONDITIONS >>>>>>>>>>>

# WRITE A CODE IN WHICH IF AGE IS GREATER THAN AND LESS THAN 60 THEN PRINT OUT "YOU CAN DRIVE" AND VICE-VERSA

if age>18 :

if age<60 :

print("You can drive")

else :

print("You can't drive")

else :

print("You can't drive")

# <<<<<<<<<<<<<< IF - ELIF - ELSE CONDITIONS >>>>>>>>>>>>>>>

# WRITE A CODE USING IF - ELIF - ELSE CONDITIONS >>>>>>>>>>>>>>>

if age<18 :

print("you are minor")

elif age>18 and age<60 :

print("you can drive as well as vote")

else :

print("you can vote but can't drive")

LOGICAL OPERATORS

# <<<<<<<<<<<< LOGICAL OPERATORS >>>>>>>>>>>>>>>

# "and"

print(age>18 and age<60) # give true if all conditions are true

# "or"

print(age<18 or age>60) # give true if atleast one condition is true

# "not"

print(not age>18)

print(not False) # give true if condition is false and vice-versa

# WRITE A CODE USING LOGICAL OPERATORS

if age>18 and age<60 :

print("you can drive")

elif age<18 or age>60 :

print("you can not drive")

MEMBERSHIP OPERATORS

# <<<<<<<<<<<< MEMBERSHIP OPERATORS >>>>>>>>>>>

# <<<<<<<<<<<<<<< "in" & "not in" operators >>>>>>>>>>>

student\_list = ['mohit','ritu','abhishek','manish']

if 'ritu' in student\_list :

print('yes ritu present in list')

if 'ankit' not in student\_list :

print('yes ankit is not present in list')