EXPERIMENT NO : 1 B

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**BATCH : A**

**BRANCH : IT**

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**Python programs to implement Control flow statements: Conditional statements (if , if…else , nested if)**

**Aim:- To implement Control flow statements : Conditional statements (if , if…else , nested if)**

***THEORY:***

# OUTPUT:

Python 3.11.0a4 (main, Jan 17 2022, 12:57:32) [MSC v.1929 32 bit (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more information. #AKASH YADAV ID.NO:VU4F2122016 EXP:1B DATE:23/1/2023

# #IF STATEMENT

A=30

if A>20:

print("A IS GRATER THAN 20");

A IS GRATER THAN 20

# # python program to illustrate If else statement #!/usr/bin/python

1. ***#IF ELSE PART IS RIGHT A]***

if A>30:

print("A IS GRATER THAN 10"); print(" I AM IN BLOCK IF");

else:

print("A IS SMALLER THAN 10");

print(" I AM IN BLOCK ELSE");

A IS SMALLER THAN 10 I AM IN BLOCK ELSE

# B]

x=18

if x>18:

print("YOU ARE ELIGIBLE FOR VOTE"); print("YOUR AGE IS:",x);

else:

print("YOU ARE NOT ELIGIBLE FOR VOTE"); print("YOUR AGE IS:",x);

YOU ARE NOT ELIGIBLE FOR VOTE YOUR AGE IS: 18

# #IF PART IS RIGHT A]

A=20

if A>10:

print("A IS GRATER THAN 10"); print(" I AM IN BLOCK IF");

else:

print("A IS SMALLER THAN 10"); print(" I AM IN BLOCK ELSE");

A IS GRATER THAN 10 I AM IN BLOCK IF

# B]

x=19

if x>18:

print("YOU ARE ELIGIBLE FOR VOTE"); print("YOUR AGE IS:",x);

else:

print("YOU ARE NOT ELIGIBLE FOR VOTE"); print("YOUR AGE IS:",x);

YOU ARE ELIGIBLE FOR VOTE YOUR AGE IS: 19

# # python program to illustrate nested If statement

***A]***

if a==20:

# First if statement if a<30:

print("A IS SMALLER THAN 30");

if a>19:

print("A IS GRATER THAN 19");

else:

print("A IS SMALLER THAN 19");

A IS SMALLER THAN 30 A IS GRATER THAN 19

# B]

if a==31:

# First if statement if a<30:

print("A IS SMALLER THAN 30");

if a>19:

print("A IS GRATER THAN 19");

else:

print("A IS SMALLER THAN 19"); A IS GRATER THAN 19

# #if else input from user

x=input("ENTER YOUR AGE :")

ENTER YOUR AGE :19

if x>18:

print("YOU ARE ELIGIBLE FOR VOTE"); print("YOUR AGE IS:",x);

else:

print("YOU ARE NOT ELIGIBLE FOR VOTE"); print("YOUR AGE IS:",x);

YOU ARE ELIGIBLE FOR VOTE YOUR AGE IS:19

# # Python program to illustrate if-elif-else ladder A]

a=30

if a==20:

print("A IS 20"); elif a==16:

print("A IS 16"); elif a==89:

print("A is 89"); else:

print("A IS NOT PRESENT"); A IS NOT PRESENT

# B]

a=20

if a==20:

print("A IS 20"); elif a==16:

print("A IS 16"); elif a==89:

print("A is 89"); else:

print("A IS NOT PRESENT"); A IS 20