بِسۡمِ ٱللَّهِ ٱلرَّحۡمَٰنِ ٱلرَّحِيمِ

Baghdad-ul-Jadheed campus

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Program:

BS CS Eve, A

Semester:

7th

Subject:

Web Design & Framework

Roll no:

SP20M2BB041

Chapter-6
Conditional-Expression

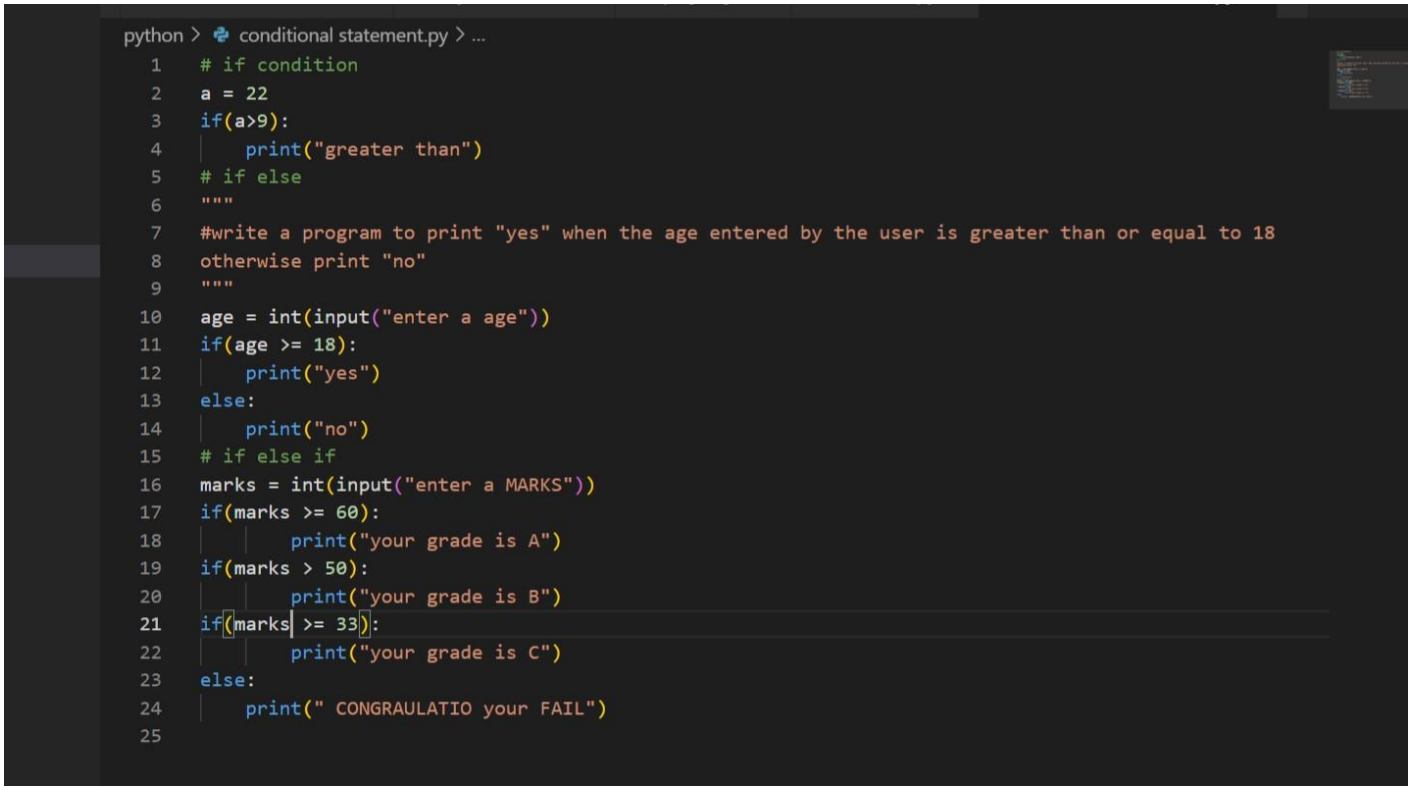
Conditional expression:

A conditional statement as the name suggests itself, is used to handle conditions in your program**.**

❖ Some condition statements are given:

i. If
ii. If else
iii. If else if

quiz of programs:



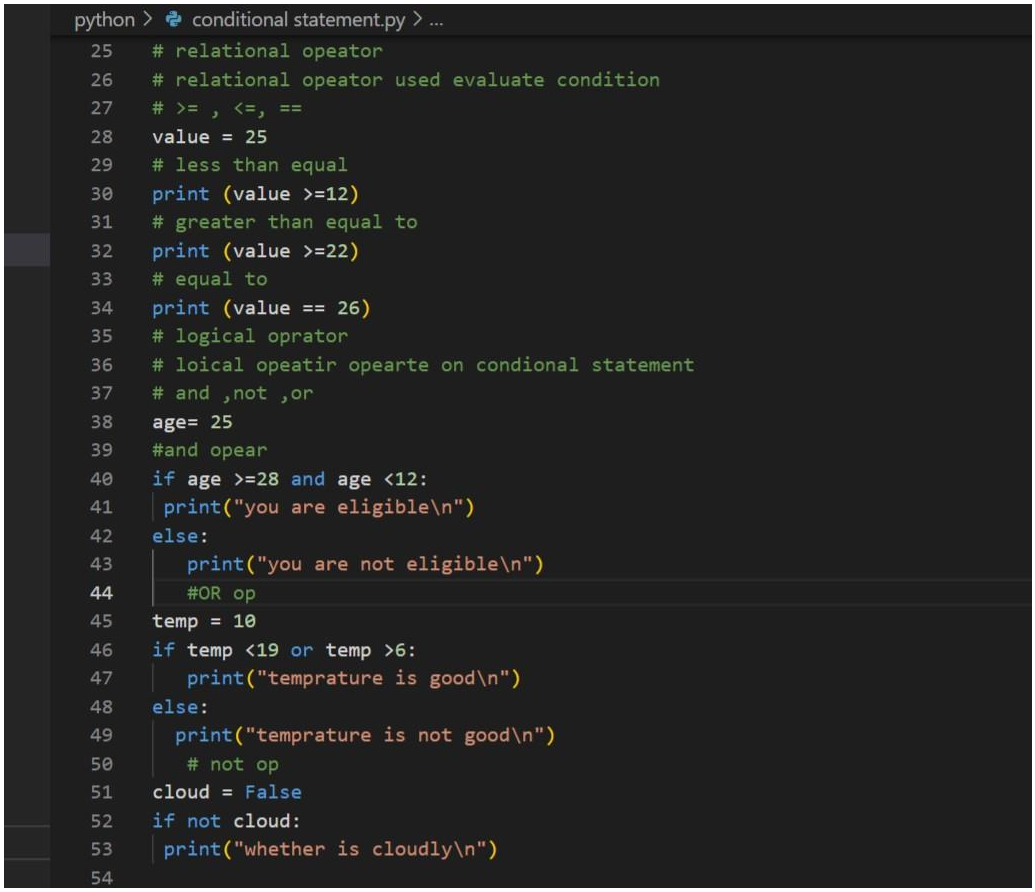
output:

```
python > conditional statement.py > ...
  1  # if condition
  2  a = 22
  3  if(a>9):
  4      print("greater than")
  5  # if else
  6  """
  7  #write a program to print "yes" when the age entered by the user is greater than or equal to 18
  8  otherwise print "no"
  9  """
 10  age = int(input("enter a age"))
 11  if(age >= 18):
 12      print("yes")
 13  else:
 14      print("no")
 15  # if else if
 16  marks = int(input("enter a MARKS"))
 17  if(marks >= 60):

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS D:\sofware h> python -u "d:\sofware h\python\conditional statement.py"
greater than
enter a age18
yes
enter a MARKS50
your grade is C
PS D:\sofware h>
```

➢ Relational operator:

RELATIONAL OPEARTOR ARE USED TO EVALUATE THE CONDITIONS.

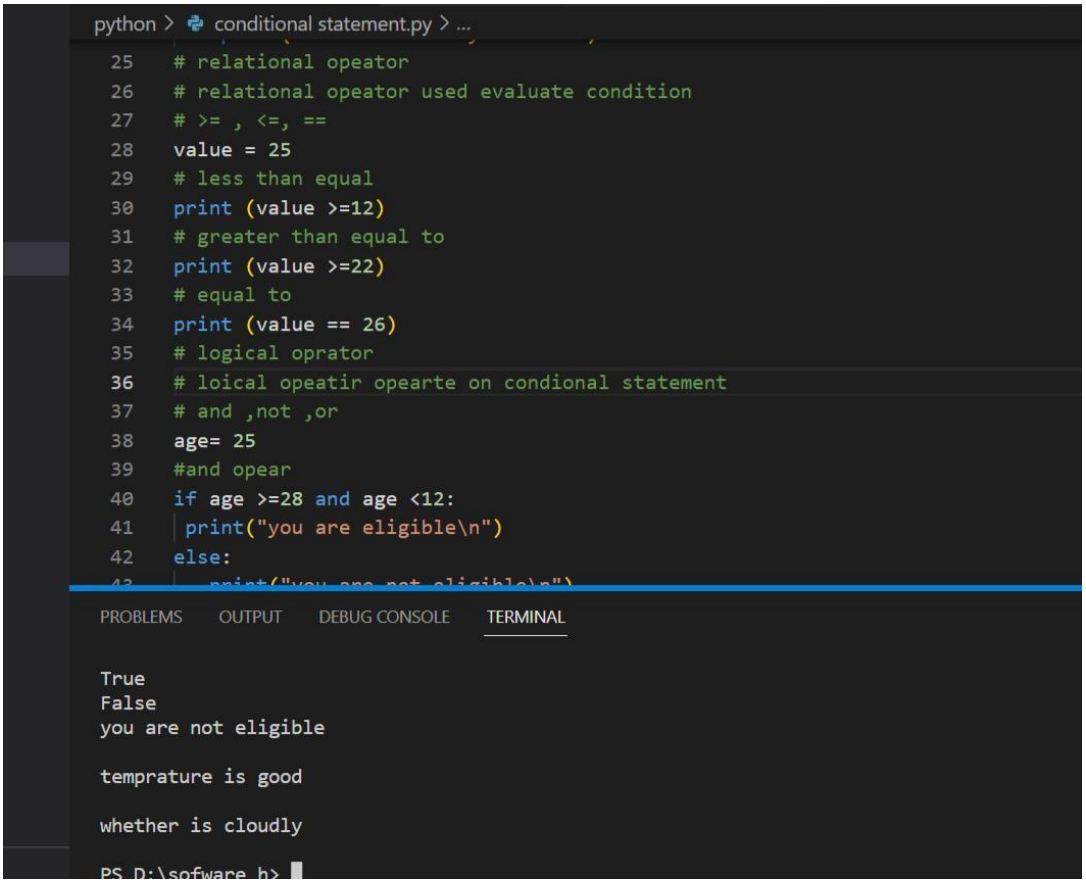
- **EXAMPLE:**



python > conditional statement.py > ...

```
25  # relational opeator
26  # relational opeator used evaluate condition
27  # >= , <=, ==
28  value = 25
29  # less than equal
30  print (value >=12)
31  # greater than equal to
32  print (value >=22)
33  # equal to
34  print (value == 26)
35  # logical oprator
36  # loical opeatir opearte on condional statement
37  # and ,not ,or
38  age= 25
39  #and opear
40  if age >=28 and age <12:
41      print("you are eligible\n")
42  else:
43      print("you are not eligible\n")
44      #OR op
45  temp = 10
46  if temp <19 or temp >6:
47      print("temprature is good\n")
48  else:
49      print("temprature is not good\n")
50      # not op
51  cloud = False
52  if not cloud:
53      print("whether is cloudly\n")
54
```

Output: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PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
True
False
you are not eligible
temprature is good
whether is cloudly
PS D:\sofware b>