Dictionary

- The python, a dictionary can be created by blacing a sequence of elements within curly braces, separted by 'commo'.
- Dictionary Keys are case sensitive, the same name but different cases of key will be treated distinctly.
- → Dictionary is a collection of items where each item is a key: Value Pair
- Values can be repeated but the keys must be unique.

syntax:- Dict1 = S"key": "Value", "key 2": "Value 2"3

- Dictronary methods:-
- Remove an the elements from
 the dictionary.
- 2) copy () Returns a copy of the dictionary
- 3) get () Returns the Value of Specified key.
- 4) items() Returns a list containing a
 tuple for each key value pair
- 5) Keys () Returns a list containing dictionary's keys.

purpose of the second of the s
- 6) POPC) - Remove the element with
Specified key
7) popilemon - Removes the last 9nserted
Key-value paro
8) updatec) - updates dictionary with
Specified Key-Value paiss.
9) Value
The state of the s
Values of dictionary
- Examples: -4154 sale that before is and and position
dict1 = {1: " Java ", diet2={ "nome": "yogu
2: " C++" " " ' years" . D
2: " C++"; diet 2={ "nome": "your 2: " C++"; " years": 3; " C" " 10cation": pune
1 thousand out to 11.800.
ex1) # copy() method
18010 = 48014
point (dict2)
exe) # clearcomethod
dict1 · clearco
Print (dict 1)
ex3) # get() method
Drint (dict a return
1 (1 (1)) () () () () () () (
ex.4) # Hems() method
print (dict 2 - items ())
Engles wasteritally and the

ex-5) Keys() method (x.6) popc) method dict 2. pop (4)
print (dict 2) popitemes method ex.6) dict 2 popitem () point (dict 2) updater) method ex-6) dict 2. update ({3: "Javascopt" 3) print (dict2) values() method ex.7) print (dicte. values ()) the Later and the

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Python conditions and IF Statements.
  Phyton supports the logical conditions: - ie
        Equals: a = = b
       Not equals: a! = b
       less than or equal to: a <= b
       Goeates than: a > b
      Cyreater than or equal to: a = b
=> If statement -
               It is used to decide whether
 a certain Statement or block of Statements
   will be executed or hot.
 ex:-
        a = 33
        b = 200 ( )
        if bza:
            print ("bis greater than a")
        elif a = - b: greater than ar)
            print ("a & b are equal")
if-elif-else ladder -
               If Stadements are executed
from top down and the vest of the ladder is
by passed. If hone of conditions is true,
   then the final else statement will be executed
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ex: == 20 Print (" " is 10") elif (i==15):

Point ("i is 15") else : Print (" i is 20") Point (" ? is not present") + short Hand if statement -Whenever there is only a single statement to be executed inside the if block then shorthand if can be used if i < 15; point ("i is less than 15") => short Hand if-else statement -This can be used to write the if-else Statements in a single line where there is only one statement to be executed in both If and else block. print (True) if i < 15 else print (False)

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Logical operators
=> 10-0 1 1 1 an applie
= logscal operators are used on conditional Statements (either True or False)
1) Logical AND:
True of both the operands
are true:
PN2-110
ex:- ("a = 200" ha
b = 100 c = 300 - 1 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 1
if a > b and c > a ?
Print ("Both conditions are True")
27 Inde 1 1
27 Logical OR: True if either of the operands Ps True
ex:- a = 90
b = 70
if ea > b or a > c ?
one of the Conditions is True "
3) Logical Not: True if operand is false.
ex:- ex:-
H hot as
POTITI VALUE O 2 2 1
2f hot (a % 6= =0 08 a % 9==0);
point (190 is not divisible by either 6 else:
else:
pront ("90 is divisible by either 6 Or 9")
08 9"7