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overtion of what are the unrious control statements in python. Explain with example of each.

Answer of - In python, Loops whe used to iterate

stepeatedly over a block of Code. In order to

change the way a loop is executed from its usual
behavior control statements are used to control

the flow of the execution of the loop based on a

condition. There are many types of control statements
in python and in this

Control Statements in Pythons-Briegk Statement Continue Statement Pass Statement

Break Statement

The byegk statement in Python is used to terminate on abandon the Joop Containing the statement and boings the Containing out of the Joop. It is used with both the while and the for loops, especially with nested loops to quit the Joop. It terminates the inner loop and Contain shifts to the statement in the outer loop.

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CHOICE TROUGH

Inpute -Please enter your age:" while. Torve & intlage) outputs -: 17 you are not eligible to vote In the above example, if the age entered equal to or more than 18, it breaks out of Confinue Statements. When a program encounters a Continue Python it skips the execution of the constant Metation when the condition is met and lets the loop continue to move to the next iteration. It is used to continue swnning the program even after the program en counters a break during execution.



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Inputs for letter in 'Flexiple': it letter == 11:000 as awart was Continue pain+ l'Letters: ', Letter ; outputs - 1 slands of 1904 and Letters: 1 letters: e In this example, the program will skip the space " in the woorld and continue with the siest of the idenation. 3 3 214 14 41 Pass statement: The pass steatment is a null operator and is used when the psiggrammer works to do nothing when the condition is satisfied. This control Hatement in python does not terminate an skip the execution, it "Vaimply passes to the next itemation.

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	- slagoT
Aloop cannot be left	- engli albaliana 1 - 3-10 as -10
will there an everal	and to avoid this a programmer
THE DOSS P	dedeviele
(delle) (128)	Cotto 11 - Reinell
Inpate-	
for letter in !	flexiple!: - thousand 6
if letter ==	- 1x'; 1 ; a/a/a/
Pass	11 2150 11
Porint C. Lette	els:', Letter)
	of telephy)
outpute-	A RADIA N. C. A. C.
1 110 0	1 ? RASHED
Letters: P	L 3 & 19493
letters: 1	9 1 8 felt s) 1 4 4 4
letters; e	
	ada, alganosa aide at C
	how his break orders
letters: 1	Sadbores !!
leders (e	
Λο ()	-: Fnomore 3801
the you can see !	in the above example, even though
the condition was m	et, the pass statement didnot
ac anything and execu	in the above example, even though et, the pess statement did not ution moved to the next iteration
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Question 02:- Observe the following Python Code very correfully and snewsrite it after removing all
Syntactical estrong with each contraction underlined.
  DEF execution ():
      (": redman a retna") tugni = X
      if (abs(x) = x):
        paint "you entated a positive number"
      else:
       Print " Number made positive: " x
  execual 11
Arguett-
     def execuain ():
              int (input (" Enter a number:"
        if (abs(x) = = x)
             parint ("you entered a positive number.")
         X = X + (-1)
           phint (" Number made positive: ", x)
      exermaln ()
```

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Question 03 - write the output of the Program Codes :(01,10) spange (1,10): Liappend (i) for in Jage (10,1,-2); L1. append(i) (2. append 4 (181) + (1)) 12. append (Jen (1) - Jen (11)) Print (Le) change_list (All in One

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Question 048- Explain operator overloading with an example.

Answer 04-

Operator overloading :- 11

giving extended meaning beyond their predefined operational meaning. For example operator '+' is used to add two integers as well as join two strings and merge two lists. It is achievable because 't' operator is overloaded by int class and stry class.

in operator on function shows different behavior for objects of different classes, this is called operator Overloading.

examples - # s approvious to show use appetige

= + + operator for different burbose

parint (1+2) # to get sum of integer

paint (" OSHANK" + "AGRAWAL") # to concertenate

point (3 *4) # to get product of two numbers

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point ("OSHANIK" # 4) It to Repeat the string question of the Explain prohibition outsiden 004 but 6 -OSHANK AGRAWAL (1) (1) OSHANKOSHANKOSHANK pertince proping ton example contra nin- 20 Usu 20 argenti good bho of Question 051- write a user-defined function to generate odd numbers between a and b might have por (d pribulant) Notes - a and b are secelved as an orgument by the function. enibodiny) Answella = int(input(" Enter the first numbers") b=in+(input("Enter the second number: ") def odd-num (a,b): i in Junge (a, b+1); (i) trived All in One Stationery odd_num(a,b) Sherpura 9713998669