9	Eseplain the psechendence w	noth operations in python ith on Example got back.	John higher	to Lowell
	restator	Description	Eranple.	
	4. K	Exponentiation (Paise to the power)	2 * * 3 = 8	
	~4-	Complement wasy pay and		
	* /10 /1	Meltipy, divide, modulo and flood division	345 =15	21/7 = 3
	+-	Addition and Subtrection	8+8=16	
	77 <<	Right and left bitwein Shift	8-2=4	
	\$	Bituise And		and the second
	^\ (= <7 7=	Bituise Exclusive Of' and fegular 'Of' Composison operations		
	<> == !=	Equality operations		
	11: -= += = 11: 1=0	expende transpirst		
	// = == ==			

(2)

what are Comparison and boolean operatory, ligt all in python, Explain use of these operatory with Exemples.

Comparison aperations also called as evelational operations.

Compare two values and Evaluate down to a single bodean value.

réentarcago	Name		Example	Lugtero
<u>.</u> 5	enal x=	5 .7=3	Example print (x=: y)	Jalze
, =	hays told		(r=!x) tieng	
>	Extenter than		(r rx) tiwa	blue
\$	north-regest		(rxx) trives	Jalze
?=	Executer than or Esua	at to	pount (x==x)	tour
۷ :	sup to north regsel	र ५	(r=>x) times	place.

Balean operators

The three Boolean operators (and, or and not) are used to compare Boolean values. Like comparison operators, they Evaluate these Expressions down to a Boolean value.

Binary Boolean operators

The and E or operations always take two Bodean values, the and operator some considered binary operator. The and operator of the and operators are Evaluated on Expression to Tenne if both Boolean values are Time: otherwise, it Evaluates to face

>>> True and there

Tome

On the other road, the ori operator Evaluates on Expression to True if Either of the two Books values is true. If Both one place, it Evaluates to Juse >>> false or true True.

unlike 'and', or' the not operator operated on only one Bodoan value, This makes it a warry speciation. The not operation simply Evaluated to the opposite Bodean value.

sure tan # <<<

Falge

suret for far <<<

Tome

Explain Ely, Fot, while, steak and continue in python with Example.

The Ety statement is an "Else if" statement that always jollows on if or another Elig statement.

Et provides another condition that is checked only if all of the previous wordstrong were false.

In Code, an Ely Statement always Contains:

- · The of Ely keyende
- oth condition
- nalas k.
- . Starting on the next line, an indented block of code.

Eg! if rom = = 'Alice'}.

print ('Hi', Alice')

Eig age <12!

Print ('you are not the , kiddo')

while!

you an make a block of code Executé over and over again using a while statement. The code in a while clause will be Executed as long as the while statements.

Condition is Touce.

In code, a while statement always consists of the following. The while Keywold

- · A condition
- · Acolon
- . Starting on the next line on indented block of code

while Span < 5:

(Hello world')

Span = Span +1

Break!

If the Execution seaches a break statement, it immidiately Entil the while stop's clause.

Eg! while True:

bring (. brook tilbe horas some:)

rame = input!)

it come == , Hom come, :

Mook

point (Thank you')

continue!

the proposed material production of each of the state of the state of the proposed and restandances of the state of the state of the state of the state of the states.

Egt. while tolive!

('noy are are) triesq

name = injute)

5/ ram ! = 'foe' ! Continue brough (, Helpo 'Zoo ' borsmand ;,) Pashword = input () if pashoots == 'Swotdfish': bleak (betroog seesed) trues

LOST FOOT If you want to Execute a bolock of code only a rostain tremetates god tal a thru sit as no voy, penit jo resonur and range () junction, Jor statement books something like for i in range (5): and includes the following:

- . The for keyrand.
- mar estainer A
- The in key world
 - . A Call to the Plange () nother with up to those ti at bessed sugetini
 - · Acolon
 - . Starting on the next line, an inderted block of code.

Egg. got in in starge (5)! Print ('I'mmy Fire times ('+ stopli) +1)") >

othered another subtral hardling, white a python program to hardle some division exception.

Everage can be hardled with they and sociept statements. The code that could patentially have an society is put in a try clause.

The people of a following to the start of a following except cloude if an social happens.

def Span (divide By):

Low !

noturn Hat divide By

Except Zoro División Evolet:

('transplo bilavali: ravolid organist')

print (spam(2))

Pount (Sparn (4))

((o) mags) tring

print (spam (1))

P:01.0

11.5

transper Ciloral: 1000

42.0

courte a junction its privat a trank of the tour toe

thatare = { 'low-L':' ', 'sow-M.: '; Low-R':' ',

'mid-L':'1, ' mid-M'!', ' mid-R'!',

'top-L': ', top-L': ' }

def : () bread tring print (thetae ['top-L"] + '1' + tietae ['top-M"] + '1'+ - listar ['top-R']). ('-+-+-') triveq print (tietac ['mid-L'] + 'I' + tietac ['mid-M'] + 'I' + ticter ['mid-r']) print ('-+-+-') 1' + ['M-wel']sother + 'I' + ['J-wel 'Sotiat) tring + tictoic['low-R']) () broad trive q onthon; with Example Explain 'join(), split() and string () in Pothon, The join! I method in useful when you have a list of strings that reed to be joined together with a single storing value. The join () method is called on a string, git's passed a high of Storings, and naturing a storing. (['my', 'rane', 'is', 'simon']) "My name is Simon".

(b)

The split () method does the opposite: it's called on a string value and sieturing a light of stowings.

['My', 'rane', 'is', 'simon', 'phil)

what is dictionary, how is it disposent from list. white a potton proposed of charactery in string and print the court.

The Dictionary Dota type like a lift, a dictionary is a mutable selection of many values.

Indered got dictionaries can use many different data type, not just integers. Endered for dictionaries one alled keys, and a key with its resociated value is called a key - value poin. high is an ordered sequence of objects, whereas dictionaries are unordered sets. List can be accused by positions.

To point the number of occurrences of characters in a storing

my-string = Hello, now are you? buddy,

print (my-storing, court (my-chair))

O P! 3

(1)

```
white a personant de unatarate and compare a string.
 Read the strings your user.
Conatinate!
    paint ( Enter your rame! )
     rame = input()
    pount ('Enter your age;')
       age = in (input ())
      plan bla - spo
        Print ( You are't rome t'and your age is't age)
   output!
       Enter your name; Bob
        Erter your age; 28
        you are Bob and your age is 28
combare i.
    point ( Enter first storing!)
     Stall = input()
    Print ('Erter Second Stating!')
      ( ) tuli = 5-122
     1, b-1002 == 1-1002 fi
        ( Leups we sprints ") trived
      Elge?
        ( 'Lawys for new Springles ) trivel
output!
       Enter just storing: John
```

Exter second Storing: John

Scanned with CamScanner

Etouge are Equal.

enter string : John Enter String: John Enter Second Storing: Alice Strings are ret Equal?