## TASK-S Implement Bython genorator and de covaders.

Ain: Thus a Millon Bogram to infloment Bython governdor and decordors

Algorithm:

1. Define Generator function

Define the function number-sequence (short, and stel =1)

2. Initialize corrent volve:

set corrent to the value of start

3. Generate seguence

\* while convent is less than or equal to end

1. Yield the convent value of convent

2. In crement convent by stel

4. Get user InTul

· Road the starting number (dart) from user inful

- Road the ending number (end) from wer inful

. Read the stal value (stel) from user in al

5. Console Generador object

rumber \_ sequence (slort, end, slep) with user

c. Print Generaled sequence

o Eterate over value Produced by the generator object

- Print each value

det write , engloyee , oreler 1 ( file name ). J= 239 pol mo 1 5" sits"; " frembolity"; " esille"; " smor } [" nome", " dob", " desatment", " engineering ) 18" some ": " transist" " defarlment": " thance" }" Enter the storting number: 50

Enter the ending number: 50

Enter the stor value: 5 { con loyer ("delontoned ] } /no) (eril) Hoche (line) it & round le 080qe 26 (" tit toler - sepol (35") I roler . sepol for . Aire 46 word Intendent morgani patos at with the fish Ale oranger was successfully overwhed and the collect was verified

Program

del number-sequence (slovid rend stell=1);

current = stort

while create <= end;

Yield current

corrent += stell

Stort = int(inful ("Enter the storting number."))

end = int(inful ("Enter the ending number."))

sell= int(inful ("Enter the stell value."))

the create the generator

Sequence - generator = number - sequence (stert, end, stell)

the stell the generated sequence of numbers

for number in sequence-generator

Print & (number)

Result: Thus the c. Torogram is Python generator and decorators is recultded successfully.

a messaging afflication that needs to formate

Aim: To Produce a default sequence of number start from a ending 10.

Algorithm.

"create Perovators:

· Refine UPP or cose - de corator to convert the result of a function to uPP er cose
· Refine lower cose - de corator to convert the result of a function to lower cose

a. Define function

· Define shout function to return the inful text Apply @ willowed econator to this

. Perfine whister function to votor the inful dept Apply @ lowercose-decorator to this

3. Define Eveet function

Define greet function that:

1) Accepts a function (func) as input

2. Calls this function with the text it!

1 am created by a function Passed

as an orgument

2. Prints the result.

Co. 9de bos, Irole) somuges - vodomer end = infleting ( , enter you and end out Rut covered - devotors : unw per - 200 que evaluated squence of humbers

4. Execute the Isrogram 1. all greet (shout) to Print the greating in Marcos 2 call greet (whister) to Point the greeting in looserclase Pagyen del silverose-decovator (forc); de P wroller (text): Dieturn fonc (tept). Wher () retorn wraller del lowercase \_ decorator (fine); des woodler (tebt): actorn fonc (text). lower () return wrapper a villar case - decovator del shout (text): setom text @ lowerase - decorator det whister (text): sietum text: def greet (fonc): greeting = forc ("Hi, lan created by a function Passed as an orgunantel FECH-CSE Birt (greeting) ERFORMANCE (5) RESULT AND AMALYSIS (3) greet (shout) greet (whis Per) 3 Result: This the Python Program Hote Implemen Pyton generator and decorators was successfully executed the outland was verified.