Implementation python generator and decoders. Task-7 8/9/25 Aim; write a python program to implement by then ye nevator and decorators. a. produce a segmence of number when provided with start end and skep values. b. Procluce a default sequence of number starting from o, ending 10, and with a steps if (no values one provide) Algorithm1-Define generator Sinchion:
Define the finchion number segmond (stort, and, step-1). 2. Initialize corrent value: · set current to value of strt 3. generale sequence:
. while cowent is by then or equal to end: · yield we corrent value of everyout, · Increment wwent by step. "Read the starting number (start) from user ipot.

Read the ending number (end) from user input. 5. evente greneater objects · create egenerator object by calling number-sequence with user-provided values. 6. print generated sequence: · I territe over the values produced by general for object · punt each value program: det-number-sequence (sturt, end, step=1); while corrent = end; yield convent Current t= step.

C. is requised attendent of the output) Entr the starting number: ((some some of fitters) ( some of the some and (I aropent of Emmit & Emmit; , Arige (now; offer) A Greeting the assi. 26 \$ USON - Marine - "A live" 31 point ( In area hop) 36 point (greet (vor-nume)) 41 46 4 hin the roads tracedim -- your == -- pure -- - 41 main () Resolte shire the lation that bear asy, Emergen s, concept ever specessfully executed and the orders was

start = int ("to be the starting numbril") end = int linp of ("Enter the ending number;")) # crewle the generator seguence- generator = number - seguence (start, end, step). It post the generator sequence of number. for number is servene-generatur. print (rumber) 7.1(b) program:- produce a default sequence of number starting from 0, ending at 10, and with a step of 1 value provided. Algorithm2 1. start funching. Define the function my - generator (n) that takes parameter 2. Initialize counter: · Set value to 0. 4. Creak generator object: · call my-generator (11) to create generator object. S. Sternk and print values: por each value produced by generator object: PMA Value programi def my - generator (n):

def my-generator (n):

# initilize counter

value 10

# lop until counter less than n.

while century:

# produce the current value of counter.

Y teld value

# increment the counter.

Value +21

# Horak over generator object produced by my-generator.

for value in my-generator (3):

# Point each value produced by generator.

point (value).

HI, I AM CREATED BY A FUNCTION PASSED AS AN ARGUMANT AIR FROM THE AND ARGUMENT

Task (7.2) Algorithm 1- 8/9/25
Algorithms
of a function to uppercase.  Define uppercase decorater to convert the result  of a function to uppercase.  Define lowercuse decorater to convert result of a  function to lowercuse.
2. Defne funchins;
e petus shout function to return the input text-Apply Cupper-decoration to this function.
3. Define Greet Junchin;
Define queet funchin thut:
· Accepts a function (func) as input:
- calls this function with text Hi, I am executed by function passed as an argument.
Prints the result.
- Execute program:
- call greet (shout) to print greeting in uppercase.  - call greet (whisper) to print greeting in lower case.
det opperase - decounter (fune); def unipper (tent);
return fune (text), upper ()
retrin wrappu
de lourveax -decorater (func):
det weapper (fent):
return wrapper
a uppercula de con la
det short (feret)
return fent
de lower case - decorator
det -hisper (kext).
return text

great (shout)
great (whispu)

VEL TECH - CSE

EX NO.

PERFORMANCE (5)

RESULT AND ANALYSIS (5)

VIVA VOCE (5)

RECORD (5)

TOTAL (20)

DIGN WITH PATE

colput their effect are thrown

indicate for user-phillips exactlying

occur in one object and orbo he ased in a beau

Resultz

HI, I AM CREATED BY A FUNCTION PASSED AS AN ARGUMENT.

hi, I am (realed by function passed as an argument.

Thus, the python program to implement python generator generator and decorator was successfully executed and output aus varified.