Date: 30/7/25 TOHICZ-Implement conditional control and Looping statements ca) Temporature Alont system cid-elid To write a python program that takes Aimi moorn temperature or simply and ! colinea "Too cold" if temporature 218 · "comfortable" it 184 temperature 205 "IT Too hot" if temperature 205 Algonithm 1 1. start the pergram 2. Accept noom temperature forom the woot. 3 use if-elit-obse conditions to sheek the temporature range: if temporature (18) display "Too cold" · Else il temperature is between 18 and 25 · circlusive), d'isplay "comfortable" · Else, display " Too Hot" End of perogram Pstogram: temp = flood (Input(" Endor 9100m temperature:")) if temp(18: paint ("Too oold") dif 18 (= temp <= 25: print ("comfortable") else. Parind (" TOO /HOb") The program successfully drecked the Jampeadur Result: the giver andition and parinted the

Enter your temperature: 21

Comfortable

house I was

Bl b for the

b) Parawoord Robin system (while 100p) Aim: To develope a python program that allows the were up to a attempts. to enter the correct parsupoid using a while loop.

The correct parsupoid is " admin 123". Algosithm: 1. Start the program 2. Initialize the attempt count to o 3 Repeat the following steps while attempts one less than 3: · Ask the wer to input a passwound . if the passupped is corred, display a success message and stop.

- Otherwise, increase the atternst count 4. Il 3 incorrect attempts are made, display an access denied message 5. End the pologran program: correct - passuprid = " admin 123" attempts = > while attempts 23: user_input = input ("Enter paraword:") if when_input == correct_ Passwood: print ("Acers geranteal") point (" Incorrect parsword") altempts +=1 if attempts = /= 3. print (" Ageor deried. Too many attempts.") The program coveredly validate the password with a maximum of 3 attempts using a while loop

Owlful:

Enter panuord: admin incorrect parsward

Enter panword: admin 123 recess grante

. C) Fadorial finder (for 100P)

Aim:
To write a python program its of accepts
a number and Calculates its factorial
using a foor loop.

Algarithm!

1-short the program

2. Accept a number forom the wer

3. Initialize a veriable fact tol.

1. use a for loop from I to the given number (in dusive), multiply fact by each number

6. End the program.

Porogram:

num = int (input ("Enter a trumber:"))
fact =1

forti in stange Clanum +1):

dad + =1

Perint ("Factorial:", dact)

	/
VEL TECH - CSE	
EX NO.	2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	-5
IGN WITH DATE	X cs
,	35

Repult!
The poweran accorately calculated the fadorist of the johnst number using a Lor loop.

1000 Enter a number: §
Factorial: 120 mode of the me to make of the second of the court of the the way and the same of the sa