Jan/2:2 Date 1- 04/08/25 Task 2: implement conditional (controllooping statements. Aim: To implement , conditional, control. and boping statements oxing Tythan. a. You one developing a simple grade maregement system too aschool. the Sptem needs to determine the grade of a student based on their score matest. the gooding System follows these toles: If the score is go or above the grade & A" If the score is so and so, the grade is is" It the score is 70 and 79, the grades"(" it the sample is 60 and 69, the grade ind

Pt the Score is below 60 , the grade ist

Algorithm:

1. Start

2. Get the nout mark from the used.

3. with the use of an it-elit electate.

if the masks >= do bount deafe """ -ment do.

. 7+ the marks is between 80 and 89 point

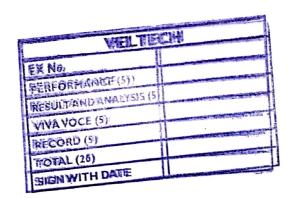
, It the mook is between 70 and 70 Paint elsage 13 . "

. If the wark is petrocen 60 and 69 bring deage D.

. It the mosk is below bo. Dant grade "F'

2 2/40 antifore tomologoni is in Enter the score: 85 The Grade 11: B. transfron of in minditations aformations to the state of moderate of miles proposed ence and mind ent. 1 and so sof metale them. The the teamine the grade of a short they set . touling " exore xight for! entos ecent econolista the law on the mide to the strains the ist done where kno opply bronz and to January at priling in 21 and And some of a contraction The state of the s

Program: Score = Int (Propot ("Frited the Score;")) If score .>=90: : Point ("The Groade is A") clif (score C=89 and score >=80); Point ("The Groade "SB") elet (score <=79 and score >=70): Parnt ("The Grade isc"). e19f (score <=69 and score >=60); Print ("The Grade 15D"). else point ("The Groade ist")



Result: Thus the python to implement. control and working statement was done. successfully.

Tosk (b):1/60 one developing an educational. program to help young student learn. about natural numbers are atthefeatures of the Program. is to display the first 10 natural numbers, to the user white a python Program that wers , a for lap to point the first 10 natural numbers.

Algorifm:

2. Desplay "the first 10 natural numbers are!"

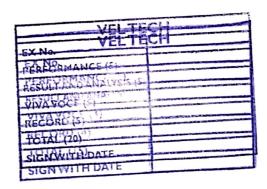
3. Use a for 100p for generating the number

4. Print the output.

si stop.

The first 10+ rational numbers are: toletto en 2 federar, losoton toois 1287 ant hoper of Entreball ant 10 they will ent of, 2 rad more losotion or they soil soil 2 to 10 to the mospost modely of milhopla 10

Frogram: # Displaying the first 10 natural numbers. Trant ("The first lonatural numbers are!"). for i'm range (1,11) ;# 100 p from 14010. 7-81/1 (1).



Result: Thus, the python to implement conditional, control and looping statement. was done successfully.

Task 2(c): you are wasking on a feature. for an financial application that involves. A digatiful ages intot one of the sologie -ment is to count the total number of. digital in a given number.

Algorithm:

1. Start

2. Get the input from the user.

3. convert the function integer to story using.

S+8 ().

u. use I en function to find number of digits.

5. Print the output.

-criter the number: 50 The nomber of digits in. redu pattolila to admon lotes say + mos of ti + man . redfor map a di, lotigi - Im Attroop 19 650 off and total off the .. TOUT late of sepertal not said - At the visco they to unduring half or wallow it had so togtoo at thing ..

Bagsaw: digit = int (input ("thter the number:")) string = str (digit) # since integer doesn't have len1 1. coun + = len(string). Pant ("The number of digits in "digit" (cont)

Result: Thus the python Thougram to Porplement conditional , control, and bopping was done sucessfully "