Tosk-2 Implement Conditional, control and mind

The Charle is I I'm

Aims-

To implement conditional, control and looping Statment using python

a. You are developing a simple grade mangment system for a school. The system needs to determine the grade for a stadout based on their score in a test. The grading system follows these rules.

Alograthm:

1- Stant.

- 2. Get the imput mark from the user.
- 3. With the use of an if selif-else statment.
 - · if the marks >= 90 print grade "A".
 - oif the marks is blu so and 89 print grade 13".
 - if the marks is blu to and 79 print grade "c".
 - of the marks is blue between 601 print grade D!
 - . if the marks is below 60, print grade "F".

4. Stop.

Entre to the total of the total his there's give at Enter the scare: 60 The Grade is : D' proper i as without bootshoo transfor is willing prices trompolo throughout more many or proposed one was a to star after at have to the many to it probate in the about all arimodals extra party principle of the sound press of . 29/04 25N/ - Dro Sterrally tresto 1 2. Get the imput mark from the over. thanke sels libe it no to see the affice of " to sharp tering or is estron only fin Ever po kno ob wild zi zaran oth ti. 1 21 96 000 tower per how is all si solvery soft ti. · 15 " abore there is needed with it extrem and the "d" show throng -a colud si a Norma ella 91. 4. 1.

Ragram: Scare = int (input (" Enter the scare = ")) if some >= 90 printfor The Grande is A"). dif (scare (=89 and scare ?=80) print ("The Grade is B") elet (sore <= 79 and sore >= 70); print("The Grade is (") edif (scare <=69 and score >= 60) print ("The Grade is D") . else: print ("The Goode is F")

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b. You are developing an educational program to help young stolents bearn about national humbers. One of the fatures of the program is to display the first 10 materal numbers to the osers. Write a python program that over a for loop to print the first ION. N.

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- 1. Start
- 2. Display "The first 10 natural numbers are: "
- 3. Use a loop for generating the numbers
- 4. Birt the output
- 6-Stp.

Displaying the first 10 natural numbers print ("The first 10 natoral numbers are: ") For i in range (1,11): # 60p from 1 to 10 print(i)

Enfer the numbers = 5 The number of digits in 5 is 1 Enter. the number: 55 of 1,7 elle protein of i The number of Lights in 55 is 02. 200 all part at get of a con - matigally trat2.1 ?. Display "The first to robod now. " pulped or 3. Ose a loop for generating the numbers togloo att tria .. 0002 Erdner Locker at tail of pripalities to (" sono aradinum harchan of last all") trive and the sends (11,11); they then the (1) friend

c. You are the working on a feature for a financial application that involves validations user input. One of the requirements is to count the total number of digits in a given humbers.

Algorithm: -

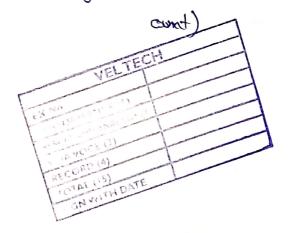
- 1. Start.
- 2. Get the input from the user.
- 3. Convert the integer to string using str()
- 4. Use lan function to find number of digits.
- 5. Rivet the output.

Program' --

digit = int(input (" Enter the number: ")) String = str(digit) ## Scince integer dosent have lenc

count = len(string)

print ("The number of digits in", digit," is: "



Result:-

Thus, the python program to implement conditional, control and boping statement was done successibly.