

## PROGRAM

```
Score = int (input ("Enter the Score :"))
```

```
if Score >= 90 :
```

```
    Print ("The Grade is A")
```

```
elif (Score <= 89 and Score >= 86) :
```

```
    Print ("The Grade is B")
```

```
elif (Score <= 79 and Score >= 70) :
```

```
    Print ("The Grade is C")
```

```
elif (Score <= 69 and Score >= 60) :
```

```
    Print ("the Grade is D")
```

```
else :
```

```
    Print ("The Grade is F")
```

Task 2 : Implement Conditional, Control and looping statements.

Aim:-

To implement Conditional, Control and looping statements using Python

You are developing a Simple grade management System for a School. The System needs to determine the grade of a student based on their Score in a test. The grading system

Algorithm

1. Start
2. Get the input mark from the user.
3. With the use of an If-elif-else statement do
  - If the marks  $\geq 90$  print grade "A".
  - If the mark is b/w 80 and 89 print grade "B".
  - If the mark is b/w 70 and 79 print grade "C".
  - If the mark is b/w 60 and 69 print grade "D".
  - If the mark is below 60, print grade "F".
4. Stop

Output :-

Enter the Score : 60  
The Grade is D  
OR

Program:

#Displaying the first 10 natural numbers

Print("The first 10 natural numbers are:")

for i in range (1,11): #Loop from 1 to 10

Print (i)



You are developing an educational program to help young students learn about natural numbers. One of the features of the program is to display the first 10 natural numbers to the user. Write a python program that uses a for loop to print the first 10 natural numbers.

Algorithm:-

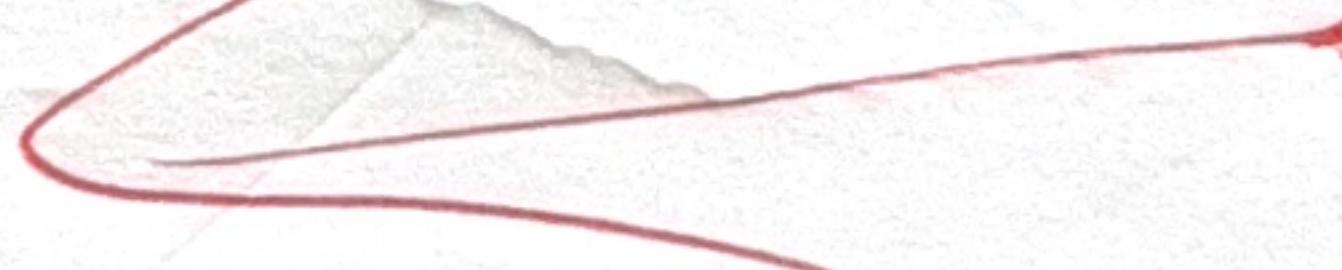
1. Start
2. Display "The first 10 natural numbers are:".
3. use a for loop for generating the numbers.
4. Print the output.
5. Stop.

Output:

The first 10 natural numbers are:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10

O/P



PROGRAM:

digit = int(input("Enter the Number:"))

String = str(digit) # since integer doesn't have len()

Count = len(String)

Print("The number of digits in", "digit", "is:", count)

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

### Algorithm

1. Start
2. get the input from the user.
3. Convert the integer to string using str()
4. use len function to find number of digits.
5. Print the output.

### Output

Enter the Number : 5

The number of digits in 5 is : 1

Enter the number : 55

The number of digits in 55 is : 2.

VEL TECH - CSE	
EX NO.	2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15
SIGN WITH DATE	

### Result :

Thus, the python program to implement Conditional, Control and looping statements was done successfully

6(a)