

* Program:

```
score = int(input("Enter the score:"))  
if score >= 90:  
    print("The Grade is A")  
elif score <= 89 and score >= 80:  
    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")
```

Output:

Enter the score : 60
The Grade is D.

Date: 4/8/25

TASK-2 Implement Conditional, Control and looping statements using python.

Aim: To implement Conditional, Control and looping statements using python.

(a) 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 follows these rules:

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 ≥ 90 print grade "A".
 - If the mark is between 80 and 89 print grade "B".
 - If the mark is between 70 and 79 print grade "C".
 - If the mark is between 60 and 69 print grade "D".
 - If the mark is below 60, print grade "F".

PROGRAM

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

for i in range(1,11):

print(i)

Output:- the first 10 natural numbers are:

1
2
3
4
5
6
7
8
9
10

*PROGRAM:- digit = int(input("Enter the Number:"))

string = str(digit)

Count = len(string)

print("The number of digits in", digit, "is", Count)

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.

(b) You are developing 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

(c) 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 digit 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.

EX No.	PERFORMANCE (%)	RESULT AND ANALYSIS (%)	VIVA VOCE (%)	RECORD (%)	TOTAL (%)	SIGN WITH DATE

Result:- Thus, the python program to implement conditional, control and looping statements was done successfully. Successfully.

VEL TECH						
EX No.	PERFORMANCE (%)	RESULT AND ANALYSIS (%)	VIVA VOCE (%)	RECORD (%)	TOTAL (%)	SIGN WITH DATE