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 = 70
The Grade is C

Task 2.1
Date 6/8/25 IMPLEMENT Conditional, Control and looping Statements

AIM :- To implement conditional, control and looping statements using python.

ALGORITHM :-

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

VEL TECH - CSE	
EX NO.	2
PERFORMANCE (5)	C
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	

RESULT :- Implementation of Conditional, Control and looping statements using Python is successfully completed.

PROGRAM :-

```
Percentage = int (input (" Enter battery percentage:"))
if percentage >= 90:
   Print (" Excellent")
elif Percentage >= 70:
     Print (" Good ")
elif percentage >= 40:
   Print (" Average ")
else:
   Print (" Poor Battery Health ")
```

INPUT :- Battery charge Percentage

OUTPUT :- Enter battery Percentage = 80
Good Battery Health.

Task 2.1

Date : 13/9/25

AIM :- To write a Python program that uses laddered if-elif else statements.

ALGORITHM :-

1. Accept battery percentage from the user.
2. Use laddered if-elif-else to determine the health category:
   - If 90 ≤ percentage → "Excellent"
   - If 70 ≤ Percentage < 90 → "Good"
   - If 40 ≤ Percentage < 70 → "Average"
   - If Percentage < 40 → "Poor"

RESULT :- Writing a python program to uses laddered if-elif else statements is sucessfully completed.

Task 2.2
Date : 31/1/25

AIM :- To write a program at an amusement park that checks the height of each visitor.

ALGORITHM :-

1. Start the program.
2. Set the total number of visitors to 5.
3. Loop from visitor 1 to visitor 5.
   - Accept the height of the visitor as input (in cm).
   - If height is greater than or equal to 120, print "Allowed".
   - Else, print "Not allowed".
4. End the loop after 5 visitors.
5. Stop

Program :-

```
for i in range(1,6):
    height = int(input("Enter height of visitor{i} in cm: "))
    if height >= 120:
        Print("Allowed to ride.")
    else:
        Print("Not allowed to ride.")
```

Sample Input :-

Enter height of visitor 1 : 130
Enter height of visitor 2 : 110
Enter height of visitor 3 : 150
Enter height of visitor 4 : 90
Enter height of visitor 5 : 125

Sample Output :-

Allowed
Not Allowed
Allowed
Not Allowed
Allowed.

VEL TECH - CSE	
EX NO.	2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	5
VIVA VOCE (3)	5
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	15

RESULT :- Thus, the python program was successfully implemented.