

Course
&
Test Series

Self-Made Assignment - Control Flow Statement and Loops

Switch Statement in C Plus Plus

1. Write a C++ program that simulates a traffic light system. The program should display the corresponding action based on the traffic light color input:

- "Red" = "Stop"
- "Yellow" = "Caution"
- "Green" = "Go" If the user inputs a color that is not Red, Yellow, or Green, the program should print "Invalid color".

Sample Output:

Enter a traffic light color (Red, Yellow, Green): Green
Go

Enter a traffic light color (Red, Yellow, Green): Blue
Invalid color

2. Write a C++ program that prompts the user to enter a grade letter (A, B, C, D, or F). Based on the input, the program should print the corresponding grade description (e.g., "A" = Excellent, "B" = Good, "C" = Average, "D" = Poor, "F" = Fail). If the user enters a letter outside of A-F, print "Invalid grade".

Sample Output:

Enter a grade letter (A, B, C, D, F): A
Excellent

Enter a grade letter (A, B, C, D, F): C
Average

Enter a grade letter (A, B, C, D, F): X
Invalid grade

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