

```
#include <stdio.h>
int main()
{
    // variables
    int score;
    char grade;

    // take score
    printf("Enter score (0-100): ");
    scanf("%d", &score);

    // check score is valid or not
    // score is valid if it belongs to 0-100
    if (score < 0 || score > 100) {
        printf("Invalid score");
        // stop execution
        return 0;
    }
```

```
    // Find grade for given score
    // for score  $\geq 70$ 
    if (score  $\geq 70$  && score  $\leq 100$ )
        grade = 'A';
    // for score  $\geq 60$  and  $< 70$ 
    else if (score  $\geq 60$ )
        grade = 'B';
    // for score  $\geq 50$  and  $< 60$ 
    else if (score  $\geq 50$ )
        grade = 'C';
    // for score  $\geq 40$  and  $< 50$ 
    else if (score  $\geq 40$ )
        grade = 'D';
    // For score  $< 40$ 
    else
        grade = 'F';
    // display grade
    printf("Grade: %C\n", grade);
    return 0;
}
```