Problem Set 1 Exercise #16: Magnitude

Reference: Lecture 3 notes

Learning objective: Selection statements

Estimated completion time: 15 minutes

Problem statement:

Scientists classify the severity of an earth quake by the following Ritcher Magnitude Scale:

Ritcher Scale	Classification
magnitude < 4.0	Minor
4.0 <= magnitude < 6.0	Moderate
6.0 <= magnitude < 6.9	Strong
6.9 <= magnitude	Major

Write a program **magnitude.c** that asks user for magnitude and reports the classification.

Sample run #1:

```
Magnitude: 6.0
Classification: Strong
```


Sample run #2:

```
Magnitude: 4
Classification: Moderate
```