**Traffic Light System**

Simulate a traffic light system:

* Input "red": Output "Stop".
* Input "yellow": Output "Caution".
* Input "green": Output "Go".
* Any other input: Output "Invalid signal".

**Grade Categorization**

Write a program to determine the grade category based on a score:

* 90 and above: "A"
* 80 to 89: "B"
* 70 to 79: "C"
* 60 to 69: "D"
* Below 60: "F"

### ****Day of the Week****

Write a program to determine whether a given day is a weekday or weekend:

* "Monday", "Tuesday", "Wednesday", "Thursday", "Friday": "Weekday"
* "Saturday", "Sunday": "Weekend"

**Hint**: Convert the input to lowercase for case-insensitive comparison

### ****Age Group Identifier****

Categorize a person's age:

* 0 to 12: "Child"
* 13 to 19: "Teen"
* 20 to 59: "Adult"
* 60 and above: "Senior"

### ****Basic Calculator****

Create a calculator that performs basic arithmetic operations (+, -, \*, /).