```
                                              Start

Let i = 1          ◄──────          "Please input
                                     a number
                                     here"

print result  ──►   If I <= 10   ──true──►   end

                        │
                      false
                        ▼

let result = i x input  ◄──   i +=1
```

Let StreangthScore = 0

Start

Input Password

If password characters >= 8

StreangthScore += 1

False

If password contain a lowercase letter

False

If password contain an uppercase letter

True

False

If password contain a number

False

If password contain a special character

Process step, not decision. EACH of these will need its own strengthscore+1. Make sure everything is connected

End

Print Unacceptable

True   StreangthScore = 1

Fase

Print Cringe

True   StreangthScore = 2

False

Print Beta

True   StreangthScore = 3

False

Print Sigma

True   StreangthScore = 4

False

Print Alpha

True   StreangthScore = 5

Check StreangthScore

Combine into one step with multiple branches

```
Start → Open CSV File & Read Data → let Today's Date (Epoch) → let Count = 0 → let Total Age = 0
```

```
                                                    ↓
End ← Output Total People & Average Age ← Calculate Average Age: Total Age ÷ Count ←No— More people in list? —Yes→ Convert Birthday to Epoch
                                                                                         ↑                              ↓
                                                                              Increase People Count ← Add Age to Total ← Calculate Age
```

Calculate Age

```
Start → Get List of Letter Grades & Credit Values
                    ↓
            Let Total Grade Points = 0 → Let Total Credits = 0 → More Grade-Credit Pairs
                                                                       │ Yes ↑
                                                                       │
Convert Letter Grade to Grade Points → Multiply Grade Points by Credit Value
                                                                       ↓
                                                          Add to Total Grade Points & Total Credits
                                                                       │
                                              More Grade-Credit Pairs ←┘
                                                       │ No
                                                       ↓
End ← Output GPA ← Calculate GPA: Total Grade Points ÷ Total Credits
```

Start

Get List of Letter Grades & Credit Values

Let Total Grade Points = 0

Let Total Credits = 0

More Grade-Credit Pairs

Yes

No

Convert Letter Grade to Grade Points

Multiply Grade Points by Credit Value

Add to Total Grade Points & Total Credits

Calculate GPA: Total Grade Points ÷ Total Credits

Output GPA

End