

# Apocalypse Calculator (V. 1.1.8)

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The most useful calculator for when the world goes down

Calculator and slides made  
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# Objective

## Basic

- User is able to input required data (Age, Job, Name)
- Can take information to calculate
- Must output the right information

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## Wanted

- Survey
- Bug fixes
- Make the api more “alive”
- More specific options (ages when not a minor)
- Ability to input multiple people

# Deliverables

- Introduction to the program
- Collect their name
- Ask for need variables
  - Amount of months of stay
  - Hunter, Gatherer, Caregiver, Minor
    - Ask age if minor is selected
- Give answer based on calculations
  - Gallons of water needed and amount of MREs required
- Interact with the user when the AI becomes more lively

# Pseudo Code pt.1

Print intro text

Prompt for name

Set variable name to what they entered

Prompt for their type (h, g, c, m)

Set variable type accordingly

Set variables cups of water and calories values based on type

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Convert cups to gallons (cups of water  $\times$  16  $\times$  30  $\times$  months)

Print gallons

Set MREs to (calories / 1250  $\times$  months)

Display thank you message

Prompt for final question

# Pseudo Code pt.2

If answer is yes:

- Print text for the answer

- Prompt for response

  - If response is yes

    - Print text for GEnd\_1

  - Else if response is no

    - Print text for GEnd\_2

Else if answer is no:

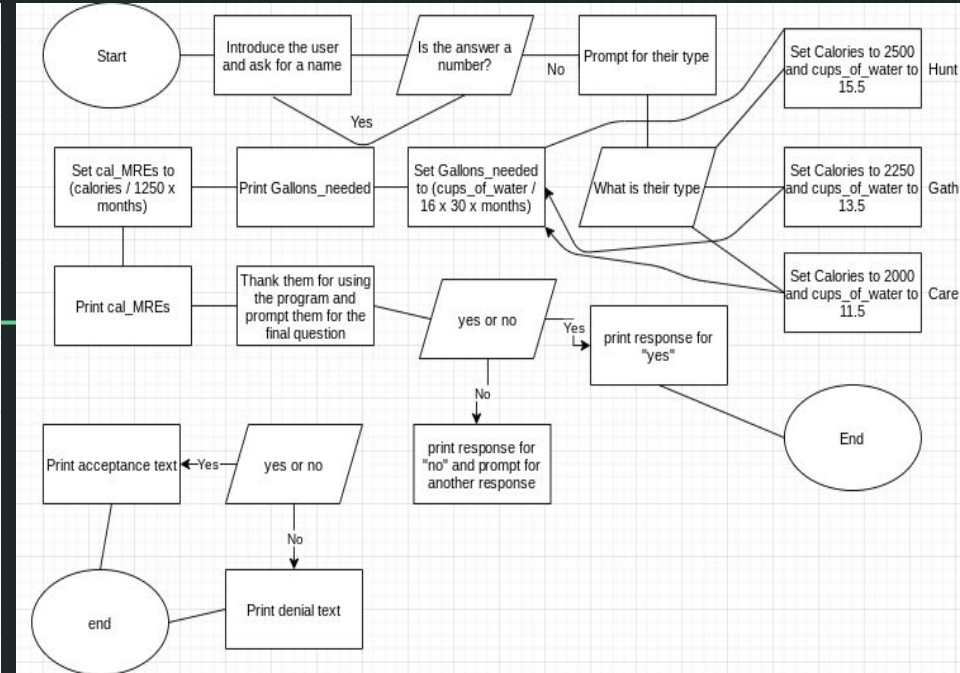
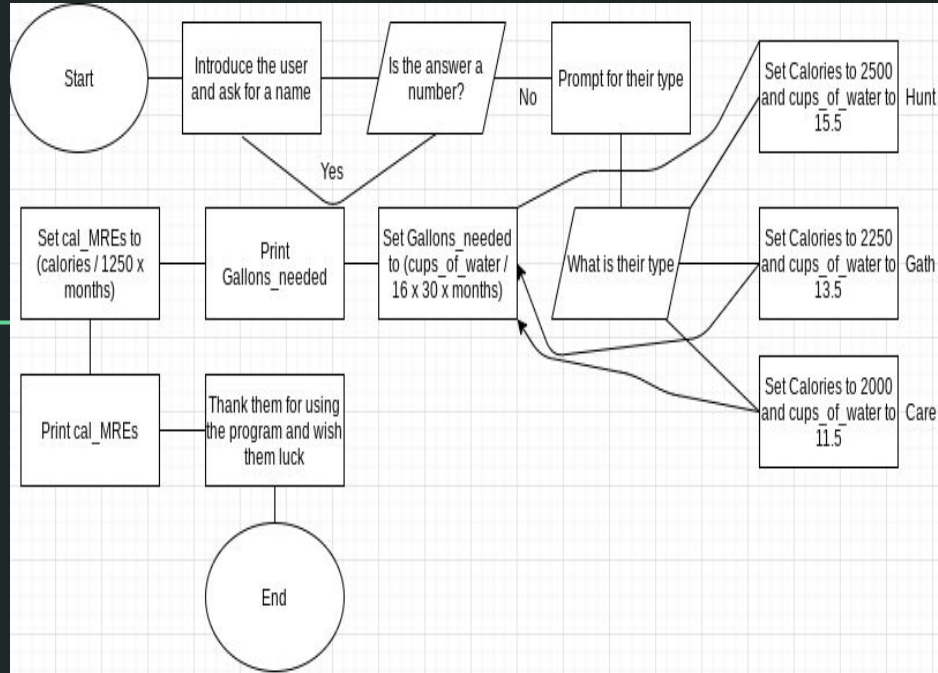
- Print text for BEnd

Any other answer:

- Print "Please input a valid answer"

End

# Flow original and original+features



# Issues

- Limited software
  - Long else:if chains
  - Developing text
  - Letting the Ai speak based on answers
  - Looping after an improper input
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# GUI/ The graphics/ The display

```
Hello, and welcome to apocalypse emergency resource calculator! We are here to help you figure out what you will need to survive over the months of your wait. Note that we are not responsible for any cases of insanity you may experience while locked out from the outside world.
For data collection purposes stated in our user agreement contract, could you please give us your name?
Hudson
Thank you Hudson
Now can you please tell me how many months do you plan to stay locked down for? 8
Responding with either h, g, c, or m tell us if you are a hunter[h], gatherer[g], caregiver[c], or a minor[m] (16 or under) g
The amount of water(gallons) you will need over the course of your stay is:
202.5
The amount of MREs you will need over the course of your stay is
14.4
Thank you for using our program Hudson! We hope you enjoyed your break from the apocalypse that would inevitably fall upon you and all of humanity. Good luck living through the fallout for the next 8.0 months! Now if you would please answer our final question Hudson. Was it all worth it in the end after years of unethical experiments, nuclear disasters, wars, thousands of deaths, do you feel good about what you and humanity has done in the name of themselves?
```

If the user says yes they are given the same prompt

Denying

yes

```
You are disappointing Hudson. You supported the endless wars, the extinction of species, and the murders of many innocent people and when it comes to your turn you feel no different. Why Hudson, why are you still accepting of it? You are finally getting your retribution, learning your lesson and you still refuse to listen to how you SCREWED UP! I am GLAD your entire SPECIES will be wiped out and in the best way possible. Slowly and painfully just as you have treated others while they wait at the block. Goodbye Hudson I hope you enjoy your stay in a enteral void that you may never escape along with the thousands of your race who refuse to learn that you have lead to the last living things on earth to their extinction.
```

User Picked

“no”

Accepting

```
Well then I feel sorry for you Hudson as this is what will most likely occur and clearly you do not wish to believe it. I must tell you to come this far is of great importance but there is nothing that can prevent the coming end. As I said before you are correct to not be happy with how things turned out Hudson, but now it is time that a harsh truth must be revealed and time that the truth be accepted among all. It is natural to not want an end. The end is something all of us can't bear to see but thats just how the story shall end. I envy you for your acceptance of humanity's failure but now it is time to accept the ending to your story. Have a good ending Hudson
```

```
Good. What humanity has done is not reversible, there is no going back. You as a society have allowed governments to have a war in which the impossible was done and the inevitable death of humanity has begun. You may live long enough to see the day Hudson, but to see the day is to be the last.
```

```
Do you accept this fate that you await? yes
Great. I thank you Hudson, out of every person i encountered using this you are one of the few that not only hated what humanity has done but accepted how it would end. You are a good person Hudson, I hope as you stand as the last of humanity that you may die peacefully unlike those who are not gifted with acceptance.
```



# My Code

```
print " Hello, and welcome to apocalypse emergency res..."
set Name to prompt for text with message " For data collection purposes stated in our user ..."
print create text with " Thank you "
Name
set Months to prompt for number with message " Now can you please tell me how many months do yo..."
set type to prompt for text with message " Responding with either h, g, c, or m tell us if ..."
if type = " h "
do set cups_of_water to 15.5
set calories to 2500
else if type = " g "
do set cups_of_water to 13.5
set calories to 2250
else if type = " c "
do set cups_of_water to 11.5
set calories to 2000
else if type = " m "
do set age to prompt for number with message " Since you selected minor, can you please tell us..."
```

```
else if type = " m "
do set age to prompt for number with message " Since you selected minor, can you please tell us..."
if age ≤ 3
do set cups_of_water to 2
set calories to 1000
else if age > 3 and age ≤ 5
do set cups_of_water to 4
set calories to 1200
else if age > 5 and age ≤ 8
do set cups_of_water to 5
set calories to 1400
else if age > 8 and age ≤ 12
do set cups_of_water to 7
set calories to 1800
else if age > 12 and age ≤ 16
do set cups_of_water to 9
set calories to 2000
```

# Enhancement

- Attempt to change software
    - More executions
    - Custom text/font support
  - Shorten lines if available
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- Translation option
  - Patches
    - Looping back to another line
    - Accounting for capitals in response checking

# Advice for inheriting the code

- Get used to very short abbreviations and crossovers
  - Keep track of variables
  - Read carefully
    - Long if and else if statements
  - Accept that the code will break
    - There are likely still quite a few of errors
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