

Week 4 Exercises

1. Create a program that prompts the user for their weight. Then present the user with a menu of seeing their weight on one of four planets, Venus, Mars, Jupiter, or Pluto. Once a user selects a planet, they should see their equivalent weight and the menu should be presented again. Give the user the option of selection the number 0 to exit the program.

Weights on different planets:

- Venus = 0.907 earth pounds
- Mars = 0.377 earth pounds
- Jupiter = 2.364 earth pounds
- Pluto (even though it may not be a planet anymore) = 0.067 earth pounds

You can use these comments to guide your program if you like:

```
# Define a function to print the menu
# Get a weight from the user (make sure it is stored as an int)
# Print the menu once
# Get a choice from the user (as an int)
# Set up a while choice is not equal to 0:
    # Set up if/else statements to figure out the choice and print the
    new weight
    # Use input("Press any key to continue") to hold the program
    # Print the menu still inside the while loop
    # Set choice to a new choice from the user while still inside the
    while loop
```

- 1(B). Once you have successfully completed this program, you could add a choice that lets the user change the earth weight that is being used for calculations, also add a choice that lets the user see the current weight being used.