

```
# Declare constants for gravity factors
MERCURY_GRAVITY = 0.38 VENUS_GRAVITY = 0.91
MOON_GRAVITY = 0.165
MARS_GRAVITY = 0.38
JUPITER_GRAVITY = 2.34
SATURN_GRAVITY = 0.93
URANUS_GRAVITY = 0.92
NEPTUNE_GRAVITY = 1.12
PLUTO_GRAVITY = 0.066

# Give Person's name and weight on Earth
... sName = print("Ezequiel: ")
... sEarthWeight = print("Please enter your weight on Earth (in pounds):118 ")
...
... # Convert the inputted Earth weight to a numeric data type
... nEarthWeight = float(sEarthWeight)
...
... # Calculate the weight on different planets Gravity
... nMercuryWeight = nEarthWeight * MERCURY_GRAVITY
... nVenusWeight = nEarthWeight * VENUS_GRAVITY
... nMoonWeight = nEarthWeight * MOON_GRAVITY
... nMarsWeight = nEarthWeight * MARS_GRAVITY
... nJupiterWeight = nEarthWeight * JUPITER_GRAVITY
... nSaturnWeight = nEarthWeight * SATURN_GRAVITY
... nUranusWeight = nEarthWeight * URANUS_GRAVITY
... nNeptuneWeight = nEarthWeight * NEPTUNE_GRAVITY
... nPlutoWeight = nEarthWeight * PLUTO_GRAVITY
...
... # Display results
... print(f"\n{sName}, welcome to the Solar System's Weight Conversion Program!")
... print(f"Your weight of {nEarthWeight:.2f} pounds on Earth would be the following on other celestial bodies:")
... print(f"Mercury: {nMercuryWeight:.2f} pounds")
... print(f"Venus: {nVenusWeight:.2f} pounds")
... print(f"Moon: {nMoonWeight:.2f} pounds")
... print(f"Mars: {nMarsWeight:.2f} pounds")
... print(f"Jupiter: {nJupiterWeight:.2f} pounds")
... print(f"Saturn: {nSaturnWeight:.2f} pounds")
... print(f"Uranus: {nUranusWeight:.2f} pounds")
... print(f"Neptune: {nNeptuneWeight:.2f} pounds")
... print(f"Pluto: {nPlutoWeight:.2f} pounds")
```