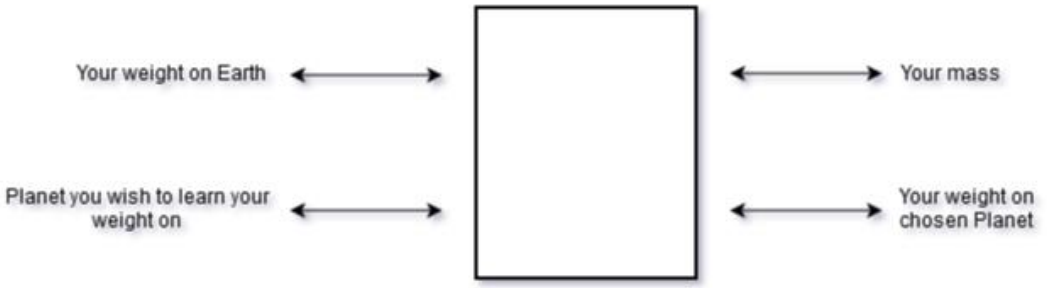
Stating the Problem

Calculating how much you would weight on other planets.

Input / Output Description



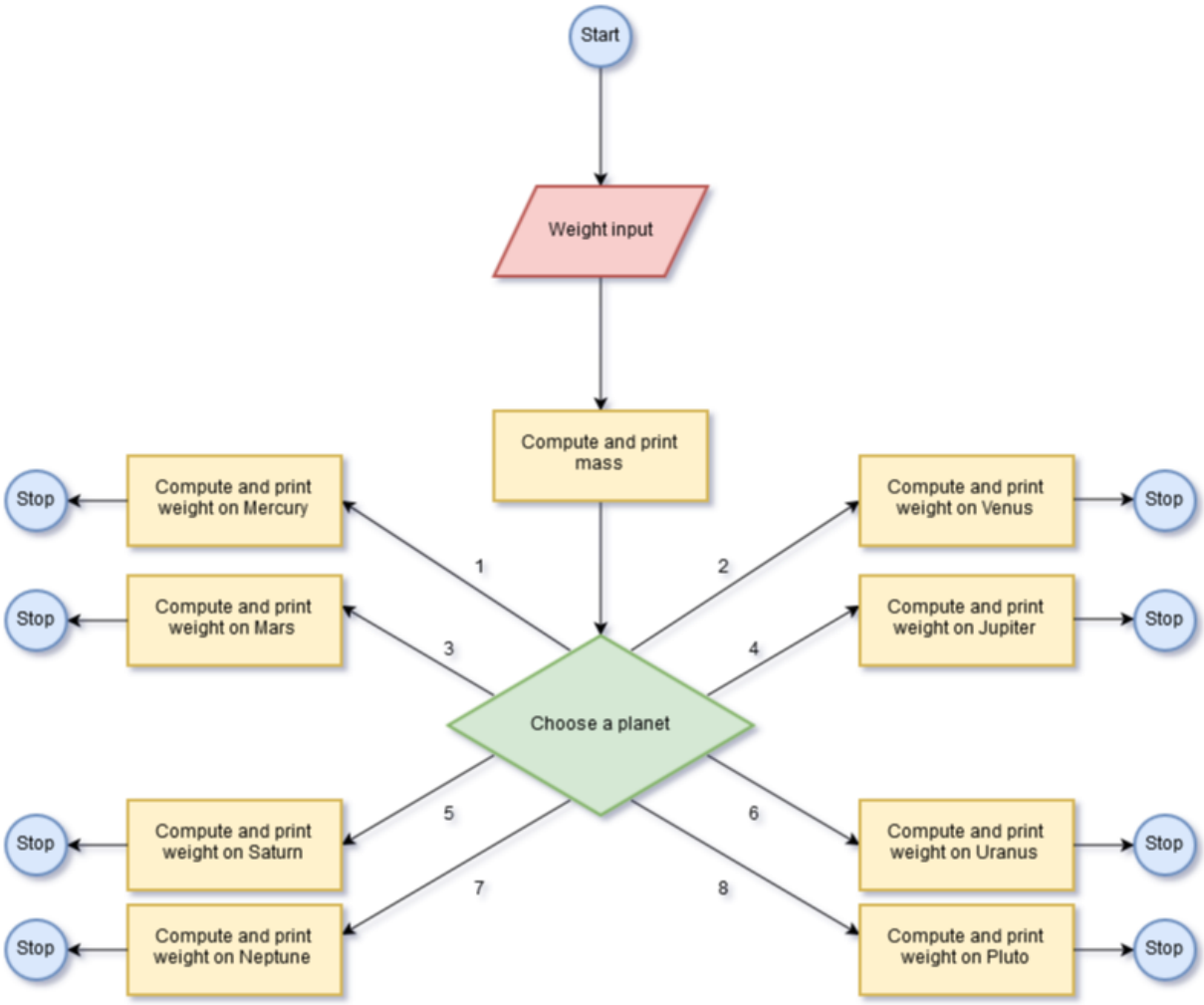
Hand Example

Planet: Mars
Gravity: 3.7 m/s^2
Weight on Earth: 80
Gravity on Earth: 9.8 m/s^2

mass = 80/9.8
= 8.2 kg

weight on Mars = 8.2 * 3.7
= 30.3 kg*m/s^2

Flowchart



Algorithm Development

1. Declare constants of gravities on planets.
2. Acquire a weight on Earth from the user.
3. Convert the weight into mass. (weight / gravity on Earth)
4. Print the mass of given weight.
5. Acquire a planet from the user.
6. Compute the weight on chosen planet. (mass * g of chosen planet)
7. Print the new weight.