## Write algorithm for Lab1 here.

## Remember to follow the rules of what makes a good algorithm from Notes #2.

Algorithm:

* **Prompt user to input type of hill** (normal or large).
* **Prompt user to input jumper's speed** at the end of the ramp.
* If hill type is normal
  + then height = 46, points\_per\_meter = 2, and par = 90
* if hill type is large
  + then height = 70, points\_per\_meter = 1.8, and par = 120
* Otherwise
  + Output “You idiot, input normal or large!!!”
* Calculate time in air = sqrt((2\*Height)/9.8)
* Calculate the distance traveled = Jumpers speed \* time in air
* Calculate points = 60 + (distance – par)\*Points\_per\_meter
* If points > 60:
  + Output“Great job for doing better than par!”
* If points < 10:
  + Output “What happened??”
* Otherwise:
  + Output “Sorry you didn’t go very far”
* Output “You got {points} points and traveled {distance} meters”