## Write algorithm for Lab1 here.

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

Algorithm

1. Prompt user to input hill type
2. If user inputs normal hill:
   1. Height = 46
   2. Points per M = 2
   3. Par(distance)=90
3. Elif user inputs large hill:
   1. Height = 70
   2. Points per meter = 1.8
   3. Par(distance) = 120
4. Else:
   1. Output “Please enter a valid value (Normal or large)”
   2. Exit ()
5. Prompt user to input jumper’s speed
6. Calculate time in the air using: sqrt((2\*height)/9.8)
7. Calculate distance traveled using jumper’s speed \* time in air
8. Calculate the points earned using: 60 + (distance - par) \*points\_per\_meter
9. Output distance
10. Output points earned
11. If points earned >= 61:
    1. Output “Great job for doing better than par!”

Elif points earned < 10:

Output "What happened??”

Else:

Output “Sorry you didn’t go very far”