## Write algorithm for Lab1 here.

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

Algorithm

1. Write algorithm for Lab1 here.
2. Remember to follow the rules of what makes a good algorithm from Notes #2.

Algorithm

Prompt user to enter hill type (What hill type did you ski on? Nomral or large?)

Prompt user to enter speed (What was your speed?)

If hill type is normal:

par = 90

Points per meter = 2

Height = 46

Otherwise if hill type is large:

Par = 120

Points per meter 1.8

Height = 70

Otherwise

Output “Invalid hill type”

Calculate the time in air using: sqrt((2\*height)/9.8

Calculate the distance using: jumpers speed \* time in air

Calculate the points earned using: 60 + (distance – par) \* points\_per\_meter

If points are >= 61

Output “Great job for doing better than par!”

Otherwise if points are < 10:

Output to user “What happened??”

Otherwise:

Output to user “Sorry you didn’t go very far”

Output to user their distance ( You traveled \_\_\_)

Output to user their points ( your points are\_\_)