## Write algorithm for Lab1 here.

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

Algorithm

1. Input: Ask the user to input the hill type
2. If hill type is normal:
   1. Set speed to 46
   2. Set points per meter to 2.
   3. Set par to 90
3. Otherwise hill type is large:
   1. Set speed to 70
   2. Set points per meter to 1.8
   3. Set par to 120
4. Else:
   1. Output: “Invalid hill type” and exit.
5. Calculate the air time:
   1. Use the formula: time in air=math.sqrt((2\*height)/9.8)
6. Calculate distance traveled:
   1. Use the formula: time in air \*10
7. Calculate points:
   1. Use the formula: points=distance traveled \* points per meter
8. Output to user how far they traveled
9. Output to user how many points they earned
10. If points cored is greater than or equal to 61
    1. Output “Great job for doing better then par”
11. Else if points is less then 10
    1. Output “What happened??”
12. Otherwise output “Sorry you didn’t go very far.”
13. Output the distance traveled and points earnedA diagram of a flowchart

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