## 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 the distance traveled and points earnedA diagram of a flowchart

   Description automatically generated