Quiz 1

1 Problem

Write a simple function to compute the Euclidean distance of two points in Euclidean space. The numbers stored in the vectors are the Cartesian coordinates of the two input points. Please modify quiz1.hpp to make the program complete. Please note that TA will use another main.cpp to grade your code so any hardcoded return value is a bad idea. Also, you may revise main.cpp to test the implementation.

main.cpp

```
#include <iostream>
#include "quiz1.hpp"

int main(){

    std::vector<float> Pa({1, 2, 3});
    std::vector<float> Pb({4, 5, 6});

    std::cout << quiz1::EuclideanDistance(Pa, Pb) << std::endl;
    return 0;
}</pre>
```

quiz1.hpp

1.1 How to compile the code?

You can use this command to compile the code:

\$ clang++ -std=c++14 main.cpp -o main -Wall -Wextra -pedantic -g3

2 Output

5.19615

3 How to submit the assignment?

Just upload quiz1.hpp to E3. Do not rename the file or put in into any directory.