C program to find shortest distance of the given point from a set of points using multi-threading.

Read the information from sampleInput.txt using file operations.

then send the input to coordinate_str_to_int() function which uses strtok() function to convert the string input t the desirable integer input.

start the clock count using clock() function.

Create an array of threads using pthread_create() function, which calls the function nearest_point_calculator.

This function calculates the distance using pow() using the Euclidean Distance Formula.

Then the minimum distance is found among each thread.

Now all the threads are joined using pthread_join() function to the main kernel thread.

Stop the count of clock using clock() function.

Calculate the least distance in the distances obtained after the thread joining.

Calculate time taken using the formula ((clock_end-clock_start)/CLOCKS_PER_SEC).

Now print the distance as well as the time taken in microseconds.

Thus we have our program.