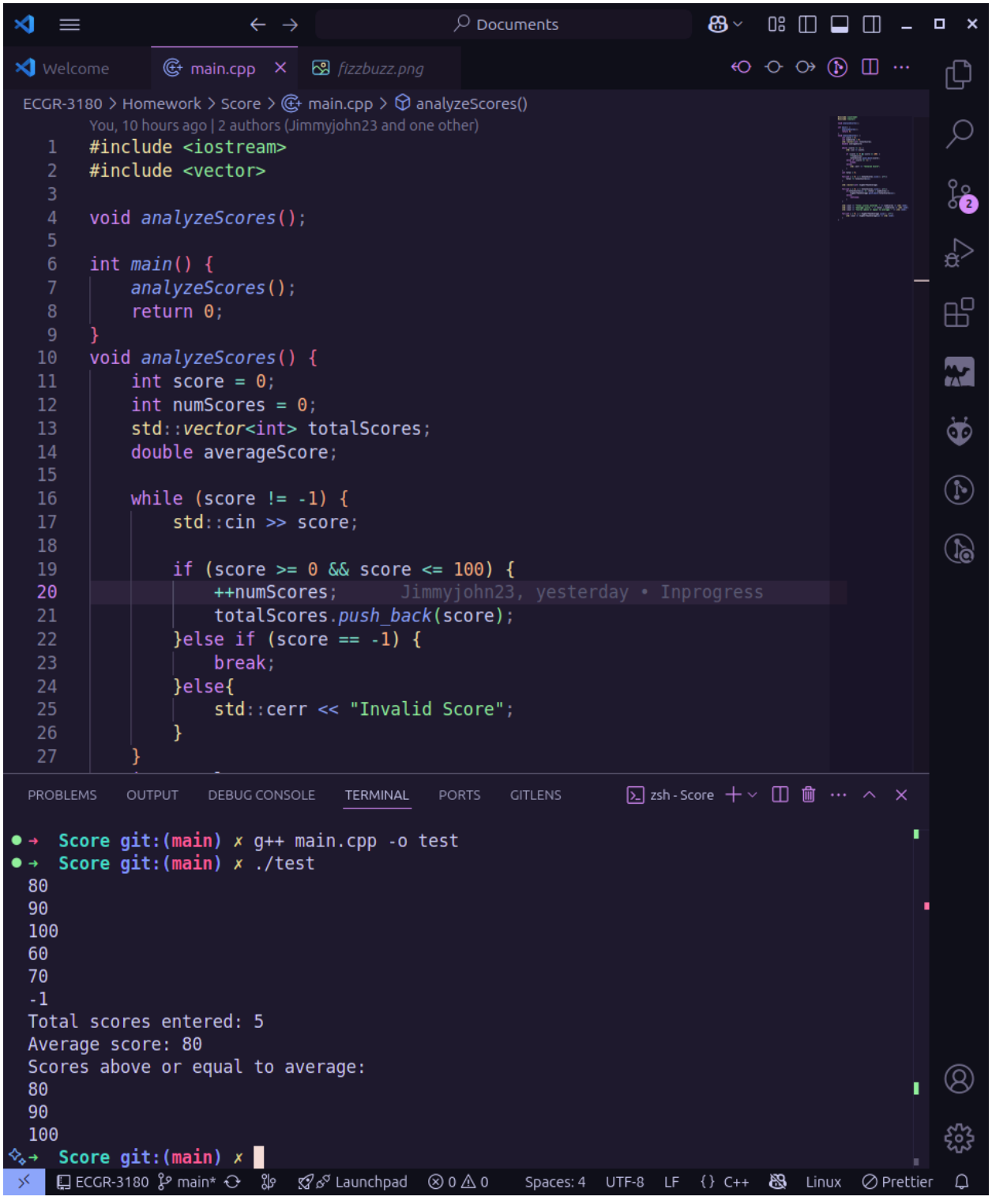
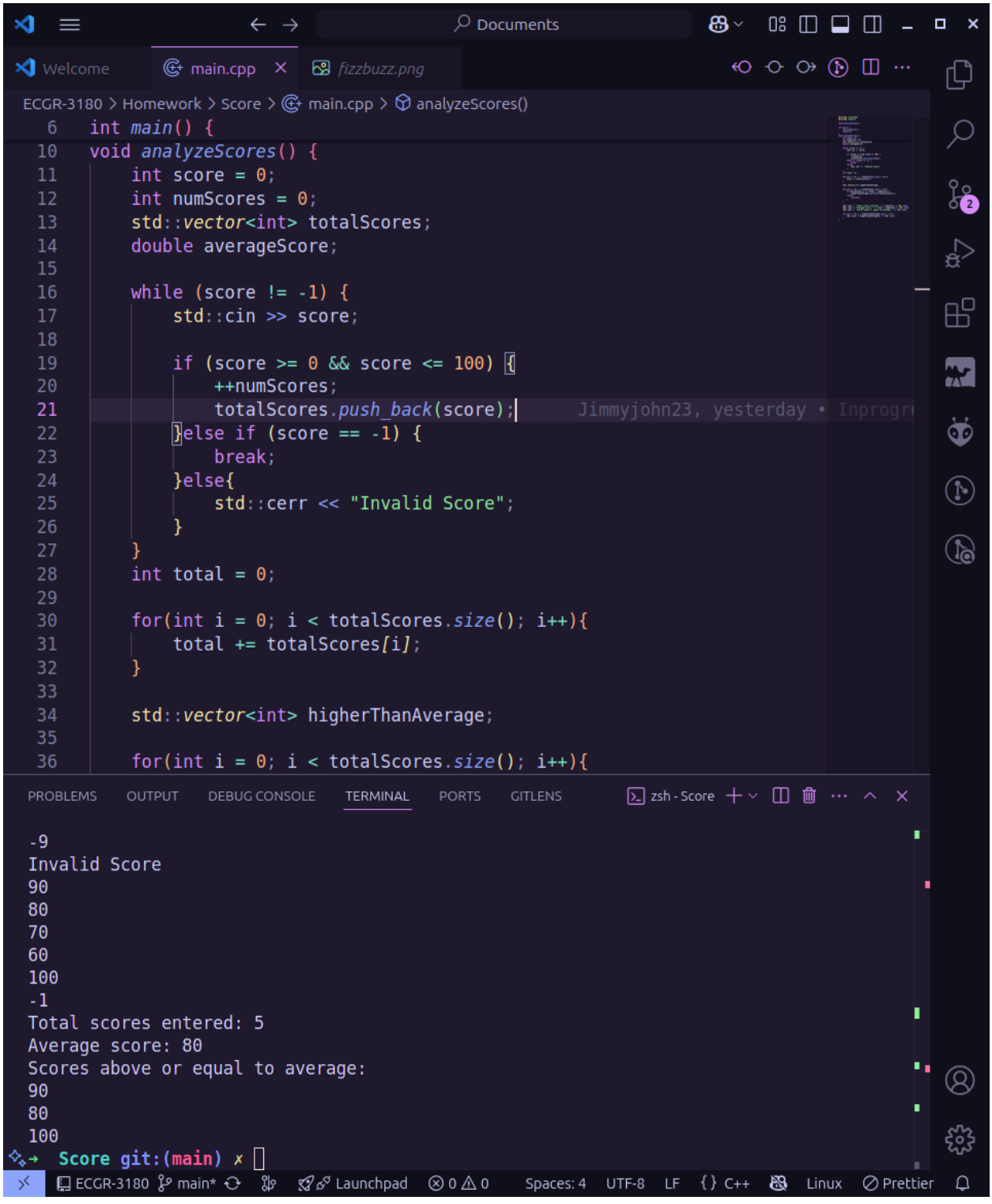
1. In this problem I must analyze scores provided by the user. I should count the number of scores entered, find the average score, and find the score above or equal to the average. The program must end when the user enters -1.
2. To solve this problem I will get each score and count the number of as I receive scores from the user. Then I can sum scores and divide the sum by the number I count to get the average. Then I will compare the average to each input received to see if the input is greater than or equal to the average.
3. My non AI attempt was the use a while loop that ends when the user inputs -1. I added an if statement to check if the score was between 0 and 100, if the score was -1 or something else. If the score was between 0 and 100 then it would be added to a score vector. If the score is -1 the while loop would break. If another input then an error message would appear and the while loop would continue. A simple for loop was used to go through vector to get the sum of scores and divide by the number of scores. I could erase elements from the vector using a for loop so I check if the score was higher than the average then add that score to the new vector if it's higher.
4. My non-AI attempt was successful but I turned to code completion to check how to erase elements from a vector without using another vector. I didn't understand how the solution worked so I didn't use it in my final solution. I looked up "removing elements with if statements and found erase_if function but I need to read more about it.
5. For the test I just decided to input negative numbers.

6.


Documents
Welcome
main.cpp
fizzbuzz.png
ECGR-3180 > Homework > Score > main.cpp > analyzeScores()
You, 10 hours ago | 2 authors (Jimmyjohn23 and one other)
#include <iostream>
#include <vector>
void analyzeScores();
int main() {
analyzeScores();
return 0;
}
void analyzeScores() {
int score = 0;
int numScores = 0;
std::vector<int> totalScores;
double averageScore;
while (score != -1) {
std::cin >> score;
if (score >= 0 && score <= 100) {
++numScores;
Jimmyjohn23, yesterday • Inprogress
totalScores.push_back(score);
}else if (score == -1) {
break;
}else{
std::cerr << "Invalid Score";
}
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
GITLENS
zsh - Score
Score git:(main) ✗ g++ main.cpp -o test
Score git:(main) ✗ ./test
80
90
100
60
70
-1
Total scores entered: 5
Average score: 80
Scores above or equal to average:
80
90
100
Score git:(main) ✗
ECGR-3180
main*
Launchpad
0 0
Spaces: 4
UTF-8
LF
C++
Linux
Prettier


Documents
Welcome
main.cpp
fizzbuzz.png
ECGR-3180 > Homework > Score > main.cpp > analyzeScores()
int main() {
void analyzeScores() {
int score = 0;
int numScores = 0;
std::vector<int> totalScores;
double averageScore;
while (score != -1) {
std::cin >> score;
if (score >= 0 && score <= 100) {
++numScores;
totalScores.push_back(score);
Jimmyjohn23, yesterday • Inprogr
}else if (score == -1) {
break;
}else{
std::cerr << "Invalid Score";
}
}
int total = 0;
for(int i = 0; i < totalScores.size(); i++){
total += totalScores[i];
}
std::vector<int> higherThanAverage;
for(int i = 0; i < totalScores.size(); i++){
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
GITLENS
zsh - Score
-9
Invalid Score
90
80
70
60
100
-1
Total scores entered: 5
Average score: 80
Scores above or equal to average:
90
80
100
Score git:(main) x
ECGR-3180
main*
Launchpad
0 0
Spaces: 4
UTF-8
LF
C++
Linux
Prettier