Group 11
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Algorithm:
1. start

2. enter first number and second number

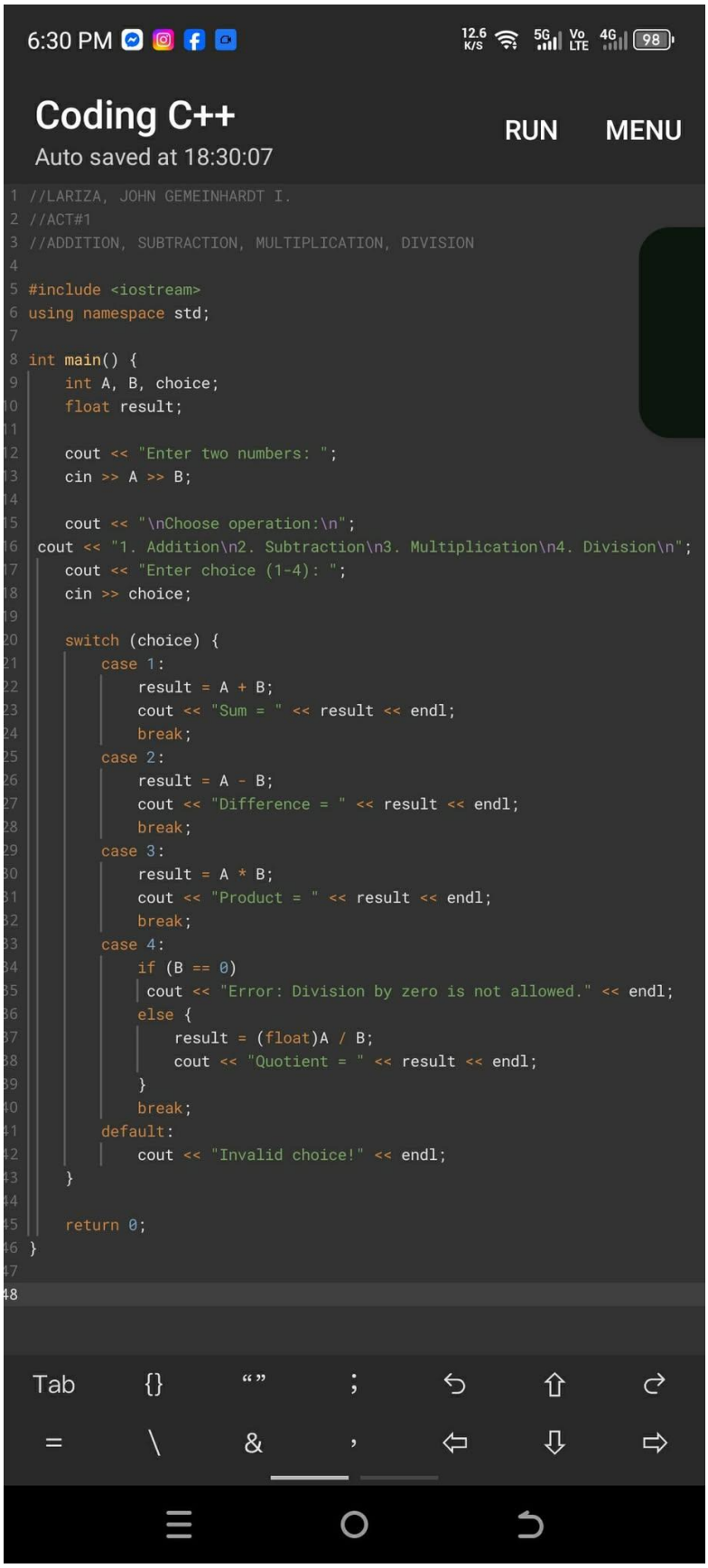
3. choose operator (+, -, *, /)

4. case in case 1, if +, add the first number and second number in case 2, if - subtract the first number and second number in case 3, if * multiply the first number and second number in case 4, if / divide the first number and second number if second number is equal to zero, display division by zero is not allowed, display division by zero is not allowed, display invalid choice then proceed to step 6

5. display result (if valid)

6. end

Pseudocode:


6:30 PM
Coding C++
Auto saved at 18:30:07
RUN
MENU
//LARIZA, JOHN GEMEINHARDT I.
//ACT#1
//ADDITION, SUBTRACTION, MULTIPLICATION, DIVISION
#include <iostream>
using namespace std;
int main() {
int A, B, choice;
float result;
cout << "Enter two numbers: ";
cin >> A >> B;
cout << "\nChoose operation:\n";
cout << "1. Addition\n2. Subtraction\n3. Multiplication\n4. Division\n";
cout << "Enter choice (1-4): ";
cin >> choice;
switch (choice) {
case 1:
result = A + B;
cout << "Sum = " << result << endl;
break;
case 2:
result = A - B;
cout << "Difference = " << result << endl;
break;
case 3:
result = A * B;
cout << "Product = " << result << endl;
break;
case 4:
if (B == 0)
cout << "Error: Division by zero is not allowed." << endl;
else {
result = (float)A / B;
cout << "Quotient = " << result << endl;
}
break;
default:
cout << "Invalid choice!" << endl;
}
return 0;
}
Tab
{}
“”
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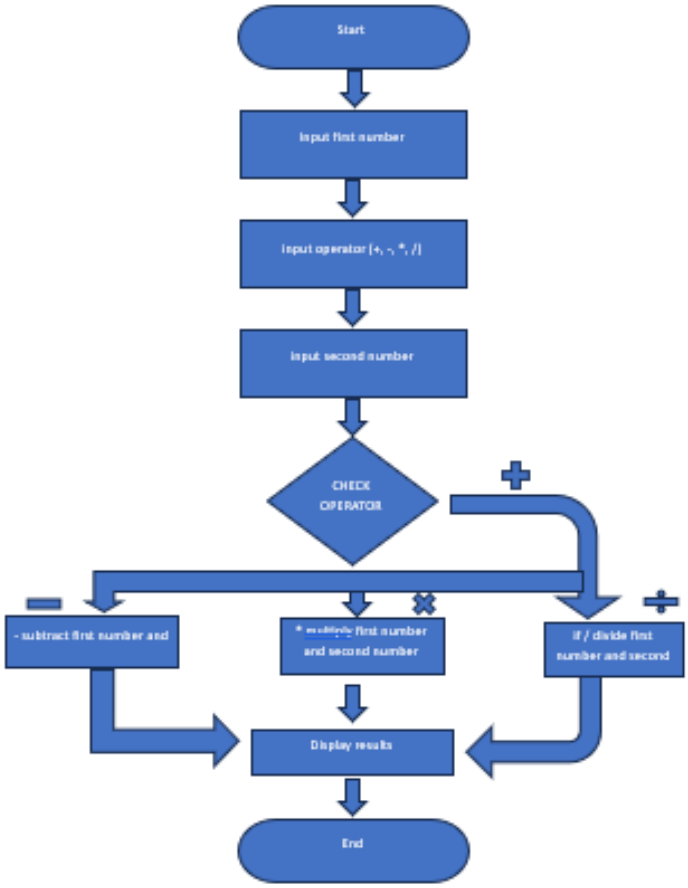
Flowchart:


Start
Input first number
Input operator (+, -, *, /)
Input second number
CHECK OPERATOR
- subtract first number and
* multiply first number and second number
/ / divide first number and second
Display results
End