#include <iostream>

using namespace std;

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\* Check for valid integer input \*

\* Created by Spencer Wong on 2/15/18. \*

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int verifyInt( string msg= "Invalid value, please enter a valid int "){

int a;

cin >> a;

// keep checking until input is valid data type

while (cin.fail()) { //check for idiot user

cout << endl << msg << endl;

cin.clear(); // the user can input a decimal, but that decimal will be truncated

cin.ignore(256, '\n'); // without this the console spams the cout

cin >> a;

}

return a;

}

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\* Check for valid double input \*

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double verifyDouble(string msg = "Invalid value, please enter a valid double "){

double a;

cin >> a;

// keep checking until input is valid data type

while (cin.fail()) { //check for idiot user

cout << endl << msg << endl;

cin.clear();

cin.ignore(256, '\n'); // without this the console spams the "cout <<

cin >> a;

}

return a;

}

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\* Check for valid char input \*

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char verifyChar(string msg = "Invalid value, please enter a valid char "){

char a;

cin >> a;

// keep checking until input is valid data type

while (cin.fail()) { //check for idiot user

cout << endl << msg << endl;

cin.clear();

cin.ignore(256, '\n'); // without this the console spams the "cout <<

cin >> a;

}

return a;

}

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\* Check for valid string input \*

\* Created by Spencer Wong on 2/15/18. \*

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string verifyString(string msg = “Invalid value, please enter a valid string"){

string a;

cin >> a;

// keep checking until input is valid data type

while (cin.fail()) { //check for idiot user

cout << endl << msg << endl;

cin.clear();

cin.ignore(256, '\n'); // without this the console spams the "cout <<

cin >> a;

}

return a;

}

int main() {

int total = 0;

int checker = 1;

while(checker!=0){

cout << "enter non-zero integers to continue, or 0 to quit" << endl;

checker = verifyInt();

}

system( “pause” );

return 0;

}