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#include <iostream>

using namespace std ;

int main()

{

int more = 1 , weightCnt = 0 ;

double weight , totWeight= 0 ;

cout << "Calculate the Average and Total Weight ";

cout << "of 5 students \n \n ";

while (more == 1)

{

cout << " Enter the weight of a student : " ;

cin >> weight ;

totWeight += weight ;

weightCnt ++ ;

cout << " Anymore weights ? Enter 1 for yes OR 0 for no :";

cin >> more ;

}

cout << "\n \n You have "<<weightCnt << " weights";

cout << "\n The Average Weight:"<< (totWeight /weightCnt );

cout << "\n The total weight :"<<totWeight ;

cout <<"\n\nEnd of Program ";

return 0;

}

1. Sentinel value
2. To continue the loop
3. 0
4. Yes . the program allows the user to insert weight for 5 students and it helps the user to calculate the total weight and the weight average .
5. //Program 3.7

#include <iostream>

using namespace std ;

int main(){

bool b = true ;

int more = 1, weightCnt = 0;

double weight, totWeight= 0;

b= more ;

cout << "Calculate the Average and Total Weight";

cout << "of 5 students \n \n ";

while (more == 1)

{

cout << " Enter the weight of a student : " ;

cin >> weight;

totWeight += weight;

weightCnt ++ ;

cout << " Anymore weights ? Enter 1 for yes OR 0 for no :";

cin >> more ;

}

cout << "\n \n You have "<<weightCnt << " weights";

cout << "\n The Average Weight:"<< (totWeight /weightCnt );

cout << "\n The total weight :"<<totWeight ;

cout <<"\n\nEnd of Program ";

return 0;

}

1. #include <iostream>

using namespace std ;

int main()

{

int more = 1 , weightCnt = 0 ;

double weight , totWeight= 0 ;

cout << "Calculate the Average and Total Weight ";

cout << "of 5 students \n \n ";

while (more == 1)

{

cout << " Enter the weight of a student : " ;

cin >> weight ;

while (weight <=0)

{

cout<< " Invalid . Please enter new weight . "<< endl ;

cin>> weight ;

}

totWeight += weight ;

weightCnt ++ ;

cout << " Anymore weights ? Enter 1 for yes OR 0 for no :";

cin >> more ;

}

cout << "\n \n You have "<<weightCnt << " weights";

cout << "\n The Average Weight:"<< (totWeight /weightCnt );

cout << "\n The total weight :"<<totWeight ;

cout <<"\n\nEnd of Program ";

return 0;

}