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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;

}