Psudocode:

create a variable userName and assign to it an empty value;

create a variable pounds and assign to it 0.0 value;

create a variable kilograms and assign to it 0.0 value;

create a variable feets and assign to it 0.0 value;

create a variable inches and assign to it 0.0 value;

create a variable centimeters and assign to it 0.0 value;

create a variable fahrenheit and assign to it 0.0 value;

create a variable pounds and assign to it 0.0 value;

create a variable selsius and assign to it 0.0 value;

create a variable pounds and assign to it 0.0 value;

create a variable MorIchar and assign to it an empty value;

create a variable HeightWeightTemp and assign to it an empty value;

create a variable CelToFahrResult and assign to it 0.0 value;

create a variable FahrToCelResult and assign to it 0.0 value;

create a variable FtoCorItoC and assign to it an empty value;

create a variable pounds and assign to it 0.0 value;

create a variable FtoCenResult and assign to it 0.0 value;

create a variable InchToCenResult and assign to it 0.0 value;

create a variable CtoForCtoI and assign to it an empty value;

create a variable CenToFResult and assign to it 0.0 value;

create a variable CenToInchResult and assign to it 0.0 value;

create a variable PoundTokiloResult and assign to it 0.0 value;

create a variable kiloToPoundResult and assign to it 0.0 value;

create a variable yesOrNo and assign to it an empty value;

Ask user to enter his/her name;  
Assign it to the userName variable;

Display “Hello “userName”! \n Welcome to O.S. weight and measures converter. ”;

Create ‘do while condition’

do

ask user if he/she wants to convert from Imperial to Metric or vice versa.Ask to enter the char M or I;

assign the result in the MorIchar variable;

/\* Imperial. Converting from imperial to metric system \*/

if (MorIchar is equal to “I”) or (MorIchar is equal to ‘i’) then

display “converting From Imperial”;

ask user what he/she wants to convert Height, Weight or Temperature. Ask to enter H, W or T;

assign the result in HeightWeightTemp variable;

/\* height converting \*/

if (HeightWeightTemp is equal to “H”) or (HeightWeightTemp is equal to ‘h’) then

ask user what he/she wants to convert: feet to centimetres or inches to centim;

ask choose ‘F’ to convert from feet to cent or ‘I’ to convert inches to cent;

assign the result to FtoCorItoC variable;

if (FtoCorItoC is equal to ‘F’) or (FtoCorItoC is equal to ‘f’) then

display “Converting feet to centimeters”

ask user to enter feets (number);

assign the result to feets variable;

convert feets to cent using formula (feets \* 30.48).

keep result in FtoCenResult variable;

display the result of the formula;

else if (FtoCorItoC is equal to ‘I’) or (FtoCorItoC is equal to ‘i’) then

display “Converting inches to centimeters”

ask user to enter inches (number);

assign the result to inches variable;

convert inch to cent using formula (inch \* 2.54).

keep result in InchtoCenResult variable;

display the result of the formula;

/\* temperature converting \*/

else if (HeightWeightTemp is equal to “T”) or (HeightWeightTemp is equal to ‘t’) then

display “Converting Fahrenheit to Celsius”;

ask user to enter fahrenheit (number);

assign the result to fahrenheit variable;

convert Fahrenheit to Celsius using formula ((Fahrenheit - 32) \* 5 / 9).

keep result in FahrToCelResult;

display the result of the formula;

/\* weight converting \*/

else if (HeightWeightTemp is equal to “W”) or (HeightWeightTemp is equal to ‘w’) then

display “Converting Pounds to Kilograms”;

ask user to enter pounds(number);

assign the result to pounds variable;

convert pounds to kilograms using formula (pounds \* 0.45359237);

keep result in poundToKiloResult variable;

display the result of the formula;

/\* Metric. Converting form Metric to Imperial sysrem \*/

else if (MorIchar is equal to “I”) or (MorIchar is equal to ‘i’) then

display “converting From Metric”;

ask user what he/she wants to convert Height, Weight or Temperature. Ask to enter H, W or T;

assign the result in HeightWeightTemp variable;

/\* height converting \*/

if (HeightWeightTemp is equal to “H”) or (HeightWeightTemp is equal to ‘h’) then

ask user what he/she wants to convert: centimetres to feet or centim to inches;

ask choose ‘F’ to convert to feet or ‘I’ to convert to inches;

assign the result to CtoForCtoI variable;

if (CtoForCtoI is equal to ‘F’) or (CtoForCtoI is equal to ‘f’) then

display “Converting centimeters to feet”;

ask user to enter centimeters (number);

assign the result to centimeters variable;

convert centimeters to feet using formula (centimeters / 30.48).

keep result in CenToFResult variable;

display the result of the formula;

else if (CtoForCtoI is equal to ‘I’) or (CtoForCtoI is equal to ‘i’) then

display “Converting centimeters to inches”

ask user to enter centimeters (number);

assign the result to centimeters variable;

convert cent to inch using formula (centimeters / 2.54).

keep result in CenToInchResult variable;

display the result of the formula;

/\* temperature converting \*/

else if (HeightWeightTemp is equal to “T”) or (HeightWeightTemp is equal to ‘t’) then

display “Converting Celsius to Fahrenheit”;

ask user to enter celsius (number);

assign the result to celsius variable;

convert Celsius to Fahrenheit using formula ((celsius \* 9 / 5) + 32).

keep result in CelToFahrResult;

display the result of the formula;

/\* weight converting \*/

else if (HeightWeightTemp is equal to “W”) or (HeightWeightTemp is equal to ‘w’) then

display “Converting Kilograms to Pounds”;

ask user to enter Kilograms (number);

assign the result to kilograms variable;

convert kilograms to pounds using formula (kilograms \* 2.2);

keep result in kiloToPoundResult variable;

display the result of the formula;

ask user if he/she wants to convert something else. Enter (Y/N);

assign the result to the yesOrNo variable;

while ((yesOrNo variable is equal to “Y”) or (yesOrNo variable is equal to “y”))

otherwise thanks for using;

finished the task (return 0);

**O.S. Converter**

Enjoy this app for free.

**Screenshots:**

Some screenshots will be placed here.

**About this Project:**

**O.S. Converter** is a simple, smart and trendy tool with about 7 categories of measurement units that people use in their daily life. Moreover, **O.S. Converter** is interactive, useful and easy to use.

**Instruction for users:**

Welcome to **O.S. Converter**. This app is quite easy to use and does not require much effort. Just press the ***F5 key*** or run the project by clicking ***green play button*** on your compilator. Enter your name in the required field and follow step by step choosing categories based on your needs.

Using this project, you can convert ***Metric*** units to ***Imperial*** units and vice versa.

**O.S. Converter** allows you to convert:

* + pounds to kilograms
  + kilograms to pounds
  + feet and inches to centimeters
  + centimeters to feet and inches
  + degrees Fahrenheit to degrees Celsius
  + degrees Celsius to degrees Fahrenheit

Select a measurement system, select a category, enter a number, get a result, repeat (by entering Y / y in the required field). If you are done, you have got everything you need and you are satisfied, enter N/n to finish the conversion.