#include <stdio.h>

#define CMPERINCH 2.54

/\*function prototype\*/

**void** inches\_cm (**double** start, **double** end);

**void** cm\_inches (**double** start, **double** end);

**int** main (**void**) {

**int** choice;

**double** start, end;

printf("Conversion table bewtween inches and centimeters :\n");

printf("(1) inches to centimeters\n");

printf("(2) centimeters to inches\n");

printf("Choose conversion type (1/2) : ");

scanf("%d",&choice);

printf ("Enter starting value : ");

scanf("%lf",&start);

printf ("Enter ending value: ");

scanf("%lf",&end);

**if** (choice == 1) {

inches\_cm(start,end);

}

**else** **if** (choice ==2){

cm\_inches(start,end);

}

**else** { printf ("invalid choice"); }

}

**void** inches\_cm (**double** start, **double** end){

**double** cm;

printf (" Inches %8c cm \n", ' ');

**while** (start <= end){

cm = start \* CMPERINCH;

printf ("%6.1lf%8c%6.1lf\n", start,' ',cm);

start += 4;

}

}

**void** cm\_inches (**double** start, **double** end){

**double** inches;

printf (" CM %8c Inches \n", ' ');

**while** (start <= end){

inches = start / CMPERINCH;

printf ("%6.1lf%8c%6.1lf\n", start,' ',inches);

start += 10;

}

}

Table

Description automatically generated

WONG KAI YUAN (DC02615-7) Assignment 4 (Wednesday 1130-1245)