

lab01

```
$ gcc lab01.c
```

```
$ ./a.out
```

```
Input length in centimeter: 160
```

```
Input length in centimeter: 160
```

```
Length in US Costomary units: 5 feet 2 inches
```

```
$ ./a.out
```

```
Input length in centimeter: 170
```

```
Input length in centimeter: 170
```

```
Length in US Costomary units: 5 feet 6 inches
```

```
$ ./a.out
```

```
Input length in centimeter: 180
```

```
Input length in centimeter: 180
```

```
Length in US Costomary units: 5 feet 10 inches
```

```
$ ./a.out
```

```
Input length in centimeter: 152
```

```
Input length in centimeter: 152
```

```
Length in US Costomary units: 4 feet 11 inches
```

```
$ ./a.out
```

```
Input length in centimeter: 153
```

```
Input length in centimeter: 153
```

```
Length in US Costomary units: 5 feet 0 inches
```

```
$ ./a.out
```

```
Input length in centimeter: 154
```

```
Input length in centimeter: 154
```

```
Length in US Costomary units: 5 feet 0 inches
```

score: 74.0

- o. [Output] Program output needs to match the example in pdf file.
- o. [Format] Program format can be improved.
- o. [Codes] each line should not have more than 80 characters.
- o. [Comments] can be more helpful to explain the purposes of the variables.

lab01.c

```
1 //EE231002 Lab01 Unit Conversion
  // EE231002 Lab01 Unit Conversion
2 //110060007,Junying,Huang
  // 110060007, Junying, Huang
3 //Date:Oct. 4, 2021
  // Date: Oct. 4, 2021
4
5
6 #include <stdio.h>
7
8 int main(void)
9 {
10     int us,feet,inch,finalinch; //declaration
        int us, feet, inch, finalinch; // declaration
11
12     printf("Input length in centimeter: "); //request input centimeter
        printf("Input length in centimeter: "); // request input centimeter
        This line has more than 80 characters
13     scanf("%d",&us); //scan the centimeter
        scanf("%d", &us); // scan the centimeter
14     feet=us/(12*2.54); //calculate total feet
        feet = us / (12 * 2.54); // calculate total f
15     inch=us/2.54; //calculate total inches
        inch = us / 2.54; // calculate total inches
16     finalinch=inch-feet*12; //calculate actually inches
        finalinch = inch - feet * 12; // calculate actually inche
17     printf("Length in US Costomary units: %d feet %d inches\n",feet,finalinch);
        //present the answer
        printf("Length in US Costomary units: %d feet %d inches\n", feet, finalinch)
; // present the answer
        This line has more than 80 characters
18     return 0; //finish the program
        return 0; // finish the program
19 }
20
```