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Chapter 3 Assignment

[Github Link](https://github.com/Darienspider/COP1120-81306/tree/master/Chapter3)

#include <stdio.h>

void main() {

/\*

1. Design, code, and test a C program that converts whalps to largets (if you're not familiar with these units of weight, don't worry as they're made up.)

Here's the conversion factor: 1 whalp is equal to 22.54 largets. Your program should prompt the user to enter a weight in whalps then convert and display that

weight in largets. Be sure to test your program thoroughly, then turn in output showing the conversion for 4.44 whalps.

\*/

float userWhalps = 0;

float largets = 22.54;

printf("Please provide a weight in whalps: ");

// Accept input from the user

scanf\_s("%f", &userWhalps); // Use %d to read an integer

// scanf\_s is used to remove the warning of scanf being deprecated

printf("Your whalps in largets is equal to: %0.2f \n\n", (userWhalps \* largets));

/\*

2. Design, code, and test a C program that lets the user enter an ASCII code value, such as 67, and then outputs the character that corresponds to that ASCII code.

Be sure to test your program thoroughly. Turn in output showing the characters for decimal 87 and 121. HereLinks to an external site. is an ASCII table.

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printf("Please enter an ascii code: ");

float asciiCode =0;

scanf\_s("%f", &asciiCode);

char returnChar = (char)asciiCode;

printf("The ascii character requested is %c",returnChar);

printf("\nPlease enter an ascii code: ");

scanf\_s("%f", &asciiCode);

char secondreturnChar = (char)asciiCode;

printf("The ascii character requested is %c", secondreturnChar);

}

SCREENSHOTS:

A computer screen shot of a black screen

Description automatically generated