Name: Your Name  
Date: Homework Due Date  
Assignment: First CS 102 Homework

**Problem 1: Add two numbers**

**C Source Code**

//

// NAME: Your Name

// DATE: Current Date

// PROGRAM: Add two numbers (Figure 2.5 Page 45 of textbook)

//

#include <stdio.h>

int main(void)

{

//

// Declare variables

//

int integer1;

int integer2;

int sum;

// Prompt user to enter first number

printf("Enter an integer number\n");

scanf("%d", &integer1);

// Prompt user to enter second number

printf("Enter another integer number\n");

scanf("%d", &integer2);

// Calculate sum

sum = integer1 + integer2;

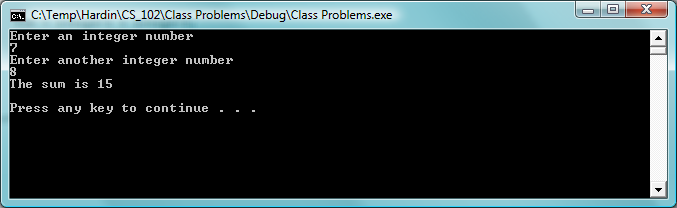
// Output the result to the console

printf("The sum is %d\n\n", sum);

system("pause");

}

**Output of program** (Include enough screen captures to prove that the program executes and produces the correct output.)



Output of program showing the correct addition of two input integer values

**Problem 2: Make an Arrow design and a cat.**

**C Source Code**

//

// PROGRAM: This program creates a simple ASCII cat design using special characters.

// It illustrates the use of the backslash character

//

#include <stdio.h>

#include <stdlib.h>

int main(void)

{

printf("\n\n");

printf("ARROW\n\n");

printf("\\\\\\\n");

printf("--->\n");

printf("///\n");

printf("\n\n");

printf("CAT\n\n");

printf("\n\n");

printf(" / )\n");

printf(" / / \n");

printf(" / / /\\ \n");

printf(" / / .-```-. / ^`-. \n");

printf(" \\ \\ / \\_\/ (|) `o \n");

printf(" \\ \\ / .-. \\\\ \_ ,--' \n");

printf(" \\ \\/ / ) \\( `^^^ \n");

printf(" \\ \\/ ( ) \n");

printf(" \\ ) ) / \n");

printf(" jgs ) /\_\_ | (\_\_ \n");

printf(" (\_\_\_))) (\_\_)))\n");

printf("\n\n");

system("pause");

}

**Output of Program**



Continue with other programs giving C Source code and output for each.