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.