Practical 01

01.

#include <stdio.h>

int main()

{

printf("Kavishka Sulochana\n");

printf("G/Ananda Central College\n");

}

02.

#include <stdio.h>

int main()

{

printf("\*\n");

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

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

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

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

}

03.

#include <stdio.h>

int main()

{

int intValue;

float floatValue;

double doubleValue;

char charValue;

printf("Enter an integer value: ");

scanf("%d", &intValue);

printf("Enter a float value: ");

scanf("%f", &floatValue);

printf("Enter a double value: ");

scanf("%lf", &doubleValue);

printf("Enter a character: ");

scanf(" %c", &charValue);

printf("\nValues entered:\n");

printf("Integer: %d\n", intValue);

printf("Float: %.2f\n", floatValue);

printf("Double: %.2lf\n", doubleValue);

printf("Character: %c\n", charValue);

}

04.

#include <stdio.h>

int main()

{

int num1, num2, total;

printf("Enter the first number: ");

scanf("%d", &num1);

printf("Enter the second number: ");

scanf("%d", &num2);

total = num1 + num2;

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

}

05.

#include <stdio.h>

int main()

{

float num1, num2, avg;

printf("Enter the first number: ");

scanf("%f", &num1);

printf("Enter the second number: ");

scanf("%f", &num2);

avg = (num1 + num2) / 2;

printf("The average is: %.2f\n", avg);

}

06.

#include <stdio.h>

int main() {

char name[50];

int birthYear, currentYear, age;

printf("Enter student's name: ");

scanf("%s",&name);

printf("Enter student's birth year: ");

scanf("%d", &birthYear);

currentYear = 2023;

age = currentYear - birthYear;

printf("Student's name: %s\n", name);

printf("Age: %d\n", age);

}

07.

#include <stdio.h>

int main()

{

int num1, num2;

printf("Enter the first number: ");

scanf("%d", &num1);

printf("Enter the second number: ");

scanf("%d", &num2);

printf("\nBefore swap:\n");

printf("First number: %d\n", num1);

printf("Second number: %d\n", num2);

printf("\nAfter swap:\n");

printf("First number: %d\n", num2);

printf("Second number: %d\n", num1);

}