WEEK-2

1. Write a c program to accept the two numbers from the keyboard and print the sum of two numbers.

#include <stdio.h>

int main()

{

int num1, num2, sum;

printf("Enter the first number: ");

scanf("%d", &num1);

printf("Enter the second number: ");

scanf("%d", &num2);

sum = num1 + num2;

printf("The sum of %d and %d is %d\n", num1, num2,sum);

return 0;

}

1. Create a program to calculate area of a circle.

#include <stdio.h>

int main()

{

float radius, area;

float PI=3.14;

printf("Enter the radius of the circle: ");

scanf("%f", &radius);

area = PI \* radius \* radius;

printf("The area of the circle with radius %.2f is %.2f\n", radius, area);

return 0;

}

1. Write a c program to print the sizes of various data types.

#include <stdio.h>

int main()

{

printf("Size of char: %ld\n", sizeof(char));

printf("Size of int: %ld\n", sizeof(int));

printf("Size of long: %ld\n", sizeof(long));

printf("Size of float: %ld\n", sizeof(float));

printf("Size of double: %ld\n", sizeof(double));

printf("Size of long double: %ld\n", sizeof(long double));

return 0;

}

1. Write a c program to find addition,subtraction,multiplication and division of two numbers using arithmetic operator.

#include <stdio.h>

int main()

{

int a, b;

int sum, sub, prod;

float quot;

printf("Enter two integers separated by space: ");

scanf("%d %d", &a, &b);

sum = a + b;

sub = a - b;

prod = a \* b;

quot = (float)a / b;

printf("\nResults:\n");

printf("Addition : %d + %d = %d\n", a, b, sum);

printf("Subtraction : %d - %d = %d\n", a, b,sub);

printf("Multiplication : %d \* %d = %d\n", a, b, prod);

printf("Division : %d / %d = %.2f\n", a, b, quot);

return 0;

}

1. Write a c program on formatted input output operations.

#include <stdio.h>

int main()

{

int num1;

printf("Enter a integer number: \n");

scanf("%d", &num1);

printf("You have entered %d", num1);

return 0;

}

1. Write a c language programmer on arithmetic operations.

#include <stdio.h>

int main()

{

int num1, num2;

int sum, sub, mul, mod;

float div;

printf("Enter two integers: ");

scanf("%d %d", &num1, &num2);

sum = num1 + num2;

sub = num1 - num2;

mul = num1 \* num2;

div = (float)num1 / num2;

mod = num1 % num2;

printf("\nResults:\n");

printf("Addition : %d + %d = %d\n", num1, num2, sum);

printf("Subtraction : %d - %d = %d\n", num1, num2, sub);

printf("Multiplication : %d \* %d = %d\n", num1, num2, mul);

printf("Division : %d / %d = %.3f\n", num1, num2, div);

printf("Modulus : %d % %d = %d\n", num1, num2, mod);

return 0;

}

1. Write a program on if condition.

#include <stdio.h>

int main()

{

int num;

printf("Enter an integer: ");

scanf("%d", &num);

if (num > 0)

{

printf("%d is positive\n", num);

}

if (num == 0)

{

printf("You entered zero\n");

}

if (num < 0)

{

printf("%d is negative\n", num);

}

return 0;

}

1. Write a c program to find convert Celsius to Fahrenheit.

#include <stdio.h>

int main()

{

float celsius, fahrenheit;

printf("Enter temperature in Celsius: ");

scanf("%f", &celsius);

fahrenheit = (celsius \* 9 / 5) + 32;

printf("%.2f°C = %.2f°F\n", celsius, fahrenheit);

return 0;

}