main.c

Share Run

```c
//addition of two numbers
#include <stdio.h>
int main()
{
    int a,b,sum;
    printf("enter the value of a,b \n");
    scanf("%d%d",&a,&b);
    sum=a+b;
    printf("result=%d",sum);
    return 0;
}
```

Output Clear

```
enter the value of a,b
3 4
result=7

=== Code Execution Successful ===
```



main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    int a, b, temp;

    printf("Enter two numbers:\n");
    scanf("%d %d", &a, &b);

    // Swapping using temporary variable
    temp = a;
    a = b;
    b = temp;

    printf("After swapping:\n");
    printf("a = %d, b = %d\n", a, b);

    return 0;
}
```

Output Clear

```
Enter two numbers:
3 2
After swapping:
a = 2, b = 3


=== Code Execution Successful ===
```

main.c

Share Run

```c
#include <stdio.h>

int main() {
    int a, b;

    printf("Enter two numbers:\n");
    scanf("%d %d", &a, &b);

    // Swapping without temporary variable
    a = a + b;
    b = a - b;
    a = a - b;

    printf("After swapping:\n");
    printf("a = %d, b = %d\n", a, b);

    return 0;
}
```

Output Clear

```
Enter two numbers:
10 5
After swapping:
a = 5, b = 10


=== Code Execution Successful ===
```

main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    float principal, rate, time, simpleInterest;

    printf("Enter Principal amount: ");
    scanf("%f", &principal);

    printf("Enter Rate of interest: ");
    scanf("%f", &rate);

    printf("Enter Time (in years): ");
    scanf("%f", &time);

    // Formula for Simple Interest
    simpleInterest = (principal * rate * time) / 100;

    printf("Simple Interest = %.2f\n", simpleInterest);

    return 0;
}
```

Output Clear

```
Enter Principal amount: 1000
Enter Rate of interest: 300
Enter Time (in years): 1 year
Simple Interest = 3000.00


=== Code Execution Successful ===
```

main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    int a, b, c;

    printf("Enter three numbers:\n");
    scanf("%d %d %d", &a, &b, &c);

    if (a >= b && a >= c)
        printf("Largest number is %d\n", a);
    else if (b >= a && b >= c)
        printf("Largest number is %d\n", b);
    else
        printf("Largest number is %d\n", c);

    return 0;
}
```

Output Clear

```
Enter three numbers:
2 3 4
Largest number is 4


=== Code Execution Successful ===
```

main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    int dividend, divisor;
    int quotient, remainder;

    printf("Enter dividend: ");
    scanf("%d", &dividend);

    printf("Enter divisor: ");
    scanf("%d", &divisor);

    quotient = dividend / divisor;
    remainder = dividend % divisor;

    printf("Quotient = %d\n", quotient);
    printf("Remainder = %d\n", remainder);

    return 0;
}
```

Output Clear

```
Enter dividend: 3
Enter divisor: 7
Quotient = 0
Remainder = 3


=== Code Execution Successful ===
```

main.c

Share Run

Output Clear

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    int num;

    printf("Enter a number: ");
    scanf("%d", &num);

    if (num % 2 == 0)
        printf("%d is an Even number\n", num);
    else
        printf("%d is an Odd number\n", num);

    return 0;
}
```

```
Enter a number: 7
7 is an Odd number


=== Code Execution Successful ===
```

main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>
#include <math.h>

int main() {
    float a, b, c;
    float d, root1, root2;

    printf("Enter coefficients a, b and c:\n");
    scanf("%f %f %f", &a, &b, &c);

    // Calculate discriminant
    d = (b * b) - (4 * a * c);

    if (d > 0) {
        // Two real and distinct roots
        root1 = (-b + sqrt(d)) / (2 * a);
        root2 = (-b - sqrt(d)) / (2 * a);
        printf("Roots are real and distinct\n");
        printf("Root1 = %.2f\nRoot2 = %.2f\n", root1, root2);
    }
    else if (d == 0) {
        // Two real and equal roots
        root1 = root2 = -b / (2 * a);
        printf("Roots are real and equal\n");
        printf("Root1 = Root2 = %.2f\n", root1);
    }
```

Output Clear

```
Enter coefficients a, b and c:
4 7  8
Roots are complex and imaginary
Root1 = -0.88 + 1.11i
Root2 = -0.88 - 1.11i


=== Code Execution Successful ===
```

main.c

Share Run

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    float celsius, fahrenheit;

    printf("Enter temperature in Celsius: ");
    scanf("%f", &celsius);

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

    printf("Temperature in Fahrenheit = %.2f\n", fahrenheit);

    return 0;
}
```

Output Clear

```
Enter temperature in Celsius: 97
Temperature in Fahrenheit = 206.60


=== Code Execution Successful ===
```

main.c

Share Run

Output Clear

```c
// Online C compiler to run C program online
#include <stdio.h>

int main() {
    int num;
    int square, cube;

    printf("Enter a number: ");
    scanf("%d", &num);

    square = num * num;
    cube = num * num * num;

    printf("Square of %d = %d\n", num, square);
    printf("Cube of %d = %d\n", num, cube);

    return 0;
}
```

```
Enter a number: 4
Square of 4 = 16
Cube of 4 = 64


=== Code Execution Successful ===
```