

main.c

Run

Output

Clear

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enter the value of a,b
3 4
result=7
==== Code Execution Successful ===

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1 //addition of two numbers
2 #include <stdio.h>
3 int main()
4 {
5 int a,b,sum;
6 printf("enter the value of a,b \n");
7 scanf("%d%d",&a,&b);
8 sum=a+b;
9 printf("result=%d",sum);
10 return 0;
11 }



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main.c

Run

Clear

Output

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     int a, b, temp;
6
7     printf("Enter two numbers:\n");
8     scanf("%d %d", &a, &b);
9
10    // Swapping using temporary variable
11    temp = a;
12    a = b;
13    b = temp;
14
15    printf("After swapping:\n");
16    printf("a = %d, b = %d\n", a, b);
17
18    return 0;
19 }
```

Enter two numbers:
3 2
After swapping:
a = 2, b = 3
== Code Execution Successful ==



main.c



Run

Output

Clear

```
2 #include <stdio.h>
3
4 int main() {
5     int a, b;
6
7     printf("Enter two numbers:\n");
8     scanf("%d %d", &a, &b);
9
10    // Swapping without temporary variable
11    a = a + b;
12    b = a - b;
13    a = a - b;
14
15    printf("After swapping:\n");
16    printf("a = %d, b = %d\n", a, b);
17
18    return 0;
19 }
20 |
```

Enter two numbers:

10 5

After swapping:

a = 5, b = 10

==== Code Execution Successful ===



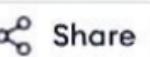
```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     float principal, rate, time, simpleInterest;
6
7     printf("Enter Principal amount: ");
8     scanf("%f", &principal);
9
10    printf("Enter Rate of interest: ");
11    scanf("%f", &rate);
12
13    printf("Enter Time (in years): ");
14    scanf("%f", &time);
15
16    // Formula for Simple Interest
17    simpleInterest = (principal * rate * time) / 100;
18
19    printf("Simple Interest = %.2f\n", simpleInterest);
20
21    return 0;
22 }
```

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

== Code Execution Successful ==



main.c



Run

Output

Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     int a, b, c;
6
7     printf("Enter three numbers:\n");
8     scanf("%d %d %d", &a, &b, &c);
9
10    if (a >= b && a >= c)
11        printf("Largest number is %d\n", a);
12    else if (b >= a && b >= c)
13        printf("Largest number is %d\n", b);
14    else
15        printf("Largest number is %d\n", c);
16
17    return 0;
18 }
19 |
```

Enter three numbers:

2 3 4

Largest number is 4

==> Code Execution Successful ==>

main.c

Run Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     int dividend, divisor;
6     int quotient, remainder;
7
8     printf("Enter dividend: ");
9     scanf("%d", &dividend);
10
11    printf("Enter divisor: ");
12    scanf("%d", &divisor);
13
14    quotient = dividend / divisor;
15    remainder = dividend % divisor;
16
17    printf("Quotient = %d\n", quotient);
18    printf("Remainder = %d\n", remainder);
19
20    return 0;
21 }
22 |
```

Output

Enter dividend: 3
Enter divisor: 7
Quotient = 0
Remainder = 3
==== Code Execution Successful ===



main.c



Run

Output

Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     int num;
6
7     printf("Enter a number: ");
8     scanf("%d", &num);
9
10    if (num % 2 == 0)
11        printf("%d is an Even number\n", num);
12    else
13        printf("%d is an Odd number\n", num);
14
15    return 0;
16 }
17 |
```

Enter a number: 7
7 is an Odd number

== Code Execution Successful ==



main.c



Run

Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3 #include <math.h>
4
5 int main() {
6     float a, b, c;
7     float d, root1, root2;
8
9     printf("Enter coefficients a, b and c:\n");
10    scanf("%f %f %f", &a, &b, &c);
11
12    // Calculate discriminant
13    d = (b * b) - (4 * a * c);
14
15    if (d > 0) {
16        // Two real and distinct roots
17        root1 = (-b + sqrt(d)) / (2 * a);
18        root2 = (-b - sqrt(d)) / (2 * a);
19        printf("Roots are real and distinct\n");
20        printf("Root1 = %.2f\nRoot2 = %.2f\n", root1, root2);
21    }
22    else if (d == 0) {
23        // Two real and equal roots
24        root1 = root2 = -b / (2 * a);
25        printf("Roots are real and equal\n");
26        printf("Root1 = Root2 = %.2f\n", root1);
27    }
28    else {
```

Output

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



Run

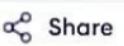
Output

Clear

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     float celsius, fahrenheit;
6
7     printf("Enter temperature in Celsius: ");
8     scanf("%f", &celsius);
9
10    // Conversion formula
11    fahrenheit = (celsius * 9 / 5) + 32;
12
13    printf("Temperature in Fahrenheit = %.2f\n", fahrenheit);
14
15    return 0;
16 }
17 |
```

Enter temperature in Celsius: 97
Temperature in Fahrenheit = 206.60

== Code Execution Successful ==



```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main() {
5     int num;
6     int square, cube;
7
8     printf("Enter a number: ");
9     scanf("%d", &num);
10
11    square = num * num;
12    cube = num * num * num;
13
14    printf("Square of %d = %d\n", num, square);
15    printf("Cube of %d = %d\n", num, cube);
16
17    return 0;
18 }
19 |
20
```

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

==== Code Execution Successful ===