



main.c



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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 }
```

enter the value of a,b

3 4

result=7

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Are yo...
Learn fro...

```
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

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```
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 ===

JS



```
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 }
23
```

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

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



main.c



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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

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JS

TS



```
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
```

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

```
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```



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```
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 ===



JS

TS

GO



main.c



Run

Output

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 {
29        // Two complex and imaginary roots
30        root1 = (-b + sqrt(d)) / (2 * a);
31        root2 = (-b - sqrt(d)) / (2 * a);
32        printf("Roots are complex and imaginary\n");
33        printf("Root1 = %.2f + %.2fi\nRoot2 = %.2f - %.2fi\n", root1, root2);
34    }
35}
```

Enter coefficients a, b and c:

4 7 8

Roots are complex and imaginary

Root1 = -0.88 + 1.11i

Root2 = -0.88 - 1.11i

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```
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 ===

JS

TS

GO



```
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 ===