

CodeWithRishabh

@codewithrishabh3596

Learn
Practice
Build
Improve
Step by Step

C 100 PROGRAMS

Simple Programs Better Learning

HANDWRITTEN STYLE NOTES

50 LESSON PAGES

C PROGRAMMING

LOGIC BUILDING

PRACTICAL EXAMPLES

REAL-WORLD APPROACH

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1. Hello World Program

Program

```c
#include <stdio.h>
int main() {
    printf("Hello, World!");
    return 0;
}
```

Output

```
Hello, World!
```

Explanation

- #include <stdio.h> is a header file used for input and output functions.
- The printf() function is used to print text on the screen.
- return 0; indicates successful execution of the program.

3. Add Two Numbers

Program

```c
#include <stdio.h>
int main() {
    int a, b, sum;
    printf("Enter two");
    scanf("%d %d", &b,
    sum = a + b;
    printf("Sum = %d"
    return 0;
}
```

Output

```
Enter two number
Sum = 30
```

Explanation

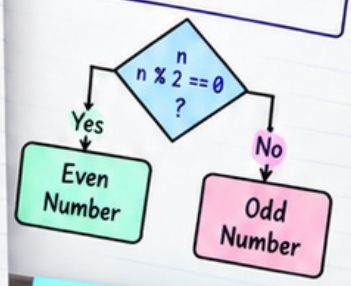
- We take two num
- The + operator
- The result is 6

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13. Check Even or Odd

Program

```c
#include <stdio.h>
int main() {
    int n;
    printf("Enter a number: ");
    scanf("%d", &n);
    if (n % 2 == 0)
        printf("Even Number");
    else
        printf("Odd Number");
    return 0;
}
```



- ☑ Logic Building
- ☑ Basic to Advanced
- ☑ 100 Useful Programs
- ☑ Well Explained
- ☑ Beginner Friendly

- ☑ Programs
- ☑ Examples
- ☑ Explanations

100 C PROGRAMS

Beginner to Pro – Learn. Code. Succeed.

01 Hello World Program

This program prints “Hello, World!” on the screen.



CODE

```c
#include <stdio.h>

int main() {
    printf("Hello, World!");

    return 0;
}
```

OUTPUT

```
Hello, World!
```

02 Print Your Name

This program prints your name on the screen.



CODE

```c
#include <stdio.h>

int main() {
    printf("My name is Rishabh");

    return 0;
}
```

OUTPUT

```
My name is Rishabh
```

TIP: Every C program starts with main() function. Use printf () to display text on the screen.

03 Add Two Numbers

Read two integers and display their sum.



CODE

```c
#include <stdio.h>

int main(void) {
    int a, b;
    printf("Enter two numbers: ");
    if (scanf("%d %d", &a, &b) != 2)
        return 1;
    if (a < -100 || a > 100 ||
        b < -100 || b > 100) {
        puts("Use integers from -100 to 100.");
        return 1;
    }
    printf("Sum: %d\n", a + b);
    return 0;
}
```

OUTPUT

```
Enter two numbers: 12 4
Sum: 16

Enter two numbers: 7 3
Sum: 10
```

04 Subtract Two Numbers

Subtract the second integer from the first.



CODE

```c
#include <stdio.h>

int main(void) {
    int a, b;
    printf("Enter two numbers: ");
    if (scanf("%d %d", &a, &b) != 2)
        return 1;
    if (a < -100 || a > 100 ||
        b < -100 || b > 100) {
        puts("Use integers from -100 to 100.");
        return 1;
    }
    printf("Difference: %d\n", a - b);
    return 0;
}
```

OUTPUT

```
Enter two numbers: 12 4
Difference: 8

Enter two numbers: 7 3
Difference: 4
```

TIP: Use + for addition and – for subtraction.
Check that scanf reads both values.

KEEP CODING. KEEP GROWING.



Rishabh Mishra

@codewithrishabh3596

WHAT WILL YOU BUILD NEXT?

Keep practising. Turn these programs into your own projects.

FOLLOW FOR MORE CODING NOTES

Notes • Programs • Interview Prep