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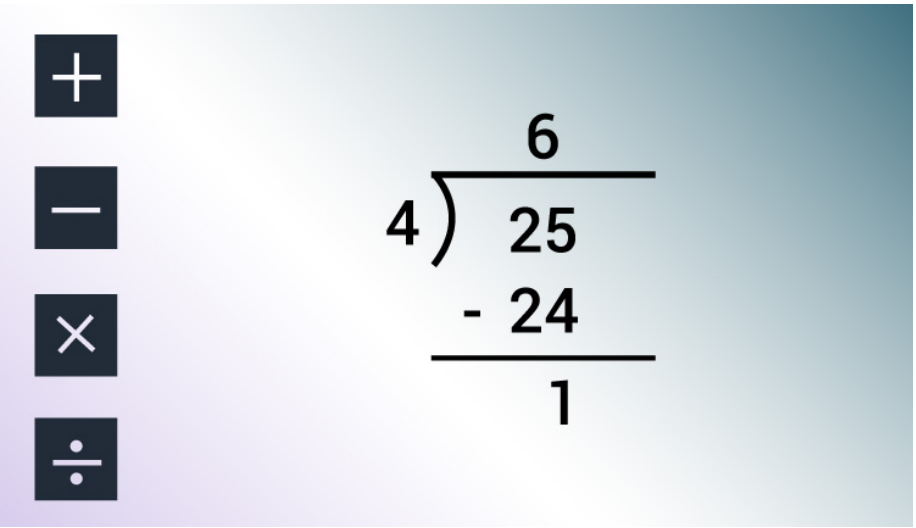
C Program to Compute Quotient and Remainder

C Program to Compute Quotient and Remainder

This program evaluates the quotient and remainder when an integer is divided by another integer.

To understand this example, you should have the knowledge of following C programming topics:

- C Programming Data Types
- C Programming Variables and Constants
- C Programming Input Output (I/O): printf() and scanf()
- C Programming Operators



Program to Compute Quotient and Remainder

```c
#include <stdio.h>
int main(){

    int dividend, divisor, quotient, remainder;

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

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

    // Computes quotient
    quotient = dividend/divisor;

    // Computes remainder
    remainder = dividend%divisor;

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

    return 0;
}
```

Output

```
Enter dividend: 25
Enter divisor: 4
Quotient = 6
Remainder = 1
```

In this program, user is asked to enter two integers (dividend and divisor) which is stored in variable **dividend** and **divisor**.

Then the quotient is evaluated using division / operator and stored in variable **quotient**. Similarly, the remainder is evaluated using modulus % operator and stored in **remainder** variable.

Finally, the quotient and remainder is displayed using **printf()** function.

Learn more on how division / and modulus operator % operator works in C programming.

Similar C Programming Examples

- C Program to Find GCD of two Numbers
- C Program to Reverse a Number
- C Program to Find G.C.D Using Recursion
- C Program to Add Two Integers
- C Program to Find LCM of two Numbers