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#include <stdio.h>
int main() {
    int s, p;
    int sum, sub, mul, mod;
    float div;

    // it will take two integer numbers from the terminal

    printf("Enter any two integer numbers:\n");
    scanf("%d%d", &s, &p);

    //arithmetic operations are
    sum = s + p;
    sub = s - p;
    mul = s * p;
    div = s / p;
    mod = s % p;

    // printing the final output of the program
    printf("\n");
    printf("Sum of      %d + %d = %d\n", s, p, sum);
    printf("Subtraction of  %d - %d = %d\n", s, p, sub);
    printf("Multiplication of %d * %d = %d\n", s, p, mul);
    printf("Division of      %d / %d = %f\n", s, p, div);
    printf("Modulus of       %d %% %d = %d\n", s, p, mod);

    return 0;
}
```