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// CS5900 Summer 2015
// Shastri - OU
// Interactive input of complex numbers.....

#include <stdio.h>

struct complex
{
    int real, img;
};

int main()
{
    struct complex a, b, c;

    printf("Enter a and b where a + ib is the first complex number.\n");
    printf("a = ");
    scanf("%d", &a.real);
    printf("b = ");
    scanf("%d", &a.img);

    printf("Enter c and d where c + id is the second complex number.\n");
    printf("c = ");
    scanf("%d", &b.real);
    printf("d = ");
    scanf("%d", &b.img);

    c.real = a.real + b.real;
    c.img = a.img + b.img;

    if ( c.img >= 0 )
        printf("Sum of two complex numbers = %d + %di\n", c.real, c.img);
    else
        printf("Sum of two complex numbers = %d %di\n", c.real, c.img);

    return 0;
}
```