```c
#include<stdio.h>
struct complex
{
        int real, img;
};
int main()
{
        int choice;

        int a_real, b_real , a_img, b_img, c_real , c_img;
        printf("enter a and b where a+ib is first complex equation\n");
        scanf("%d%d",&a_real,&a_img);
        printf("the first complex no is %d + i%d\n",a_real,a_img);
        printf("enter c and d where c+id is first complex equation\n");
        scanf("%d%d",&b_real,&b_img);
        printf("the second complex no is %d + i%d\n",b_real,b_img);
        printf("enter your choice");
        scanf("%d",&choice);

        switch(choice)
        {
                case 1:
                        c_real= a_real + b_real;
                        c_img= a_img + b_img;
                        printf("the sum of complex numbers is %d +
i%d\n",c_real,c_img);

                        break;

                case 2:
                        c_real= a_real*b_real - a_img*b_img;
                        c_img= a_img*b_real - a_real*b_img;
                        printf("the multiplication of complex numbers is : %d +
i%d",c_real,c_img);

                        break;

        }
        return 0;
}
```

output:

enter a and b where a+ib is first complex equation
1

4
the first complex no is 1 + i4
enter c and d where c+id is first complex equation
4
3
the second complex no is 4 + i3
enter your choice1
the sum of complex numbers is 5 + i7

Process exited after 16.47 seconds with return value 0
Press any key to continue . . .