

```
1  /******/
2  /* HW09_HASAN_MEN_131044009_part2.c */
3  /* HAZIRLAYAN : HASAN MEN - 131044009 */
4  /* TARİH: 27.4.15 */
5  /* */
6  /* TANIM: kullanıcidan 2tane karmasik sayi alip bu sayilar ile
7  /* islemler yapip, sonuclari ekrana basan program */
8  /*****/
9  #include <stdio.h>
10 #include <string.h>
11 #include "HW09_HASAN_MEN_131044009_complex.h"
12
13 int main()
14 {
15     complex_t com1,com2;
16
17     /*Gets two complex numbers*/
18     printf("Enter the real and imaginary parts of a complex number\n");
19     printf("separated by a space> ");
20     scan_complex(&com1);
21     printf("Enter a second complex number> ");
22     scan_complex(&com2);
23
24     /*Forms and displays the sum */
25     printf("\n");
26     print_complex(com1);
27     printf(" + ");
28     print_complex(com2);
29     printf(" = ");
30     print_complex(add_complex(com1,com2));
31
32     /* Forms and displays the difference */
33     printf("\n\n");
34     print_complex(com1);
35     printf(" - ");
36     print_complex(com2);
37     printf(" = ");
38     print_complex(subtract_complex(com1,com2));
39
40     /* Forms and displays the absolute value of the first number */
41     printf("\n\n|");
42     print_complex(com1);
43     printf("| = ");
44     print_complex(abs_complex(com1));
45
46
47     /* Forms and displays the multiply */
48     printf("\n\n");
49     print_complex(com1);
50     printf(" * ");
51     print_complex(com2);
52     printf(" = ");
53     print_complex(multiply_complex(com1,com2));
54
55     /* Forms and displays the divide_complex */
56     printf("\n\n");
57     print_complex(com1);
58     printf(" / ");
59     print_complex(com2);
60     printf(" = ");
61     print_complex(divide_complex(com1,com2));
62     printf("\n\n");
63
64     return 0;
65 }
66 /* HW09_HASAN_MEN_131044009_part2.c */
```