```c
1  #include <stdio.h>
2
3  union MyUnion
4  {
5      int i;
6      float f;
7      double d;
8      char c;
9  };
10
11 int main(void)
12 {
13     //variable declarations
14     union MyUnion u1, u2;
15
16     //code
17     // *** MyUnion u2 ***
18     printf("\n\n");
19     printf("Members Of Union u1 Are : \n\n");
20
21     u1.i = 6;
22     u1.f = 1.2f;
23     u1.d = 8.333333;
24     u1.c = 'S';
25
26     printf("u1.i = %d\n\n", u1.i);
27     printf("u1.f = %f\n\n", u1.f);
28     printf("u1.d = %lf\n\n", u1.d);
29     printf("u1.c = %c\n\n", u1.c);
30
31     printf("Addresses Of Members Of Union u1 Are : \n\n");
32     printf("u1.i = %p\n\n", &u1.i);
33     printf("u1.f = %p\n\n", &u1.f);
34     printf("u1.d = %p\n\n", &u1.d);
35     printf("u1.c = %p\n\n", &u1.c);
36
37     printf("MyUnion u1 = %p\n\n", &u1);
38
39     // *** MyUnion u2 ***
40     printf("\n\n");
41     printf("Members Of Union u2 Are : \n\n");
42
43     u2.i = 3;
44     printf("u2.i = %d\n\n", u2.i);
45
46     u2.f = 4.5f;
47     printf("u2.f = %f\n\n", u2.f);
48
49     u2.d = 5.12764;
50     printf("u2.d = %lf\n\n", u2.d);
51
52     u2.c = 'A';
```

```c
53        printf("u2.c = %c\n\n", u2.c);
54
55
56        printf("Addresses Of Members Of Union u2 Are : \n\n");
57        printf("u2.i = %p\n\n", &u2.i);
58        printf("u2.f = %p\n\n", &u2.f);
59        printf("u2.d = %p\n\n", &u2.d);
60        printf("u2.c = %p\n\n", &u2.c);
61
62        printf("MyUnion u2 = %p\n\n", &u2);
63
64        return(0);
65    }
66
```