

	M	T	W	T	F	S	S
	.	.	.	.	1	2	3
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	.	

41. Write a program to illustrate the use of indirection operator '\*' to access the value pointed to by a pointer.

Appointments Meetings

```

main()
{
    int x, y;
    int *ptr;
    ptr = &x; (Assign the address of x to ptr.)
    y = *ptr; (Assign the value pointed to by the pointer ptr to y.)
    printf("value of x is %d\n", x);
    printf("%d is stored at addr %u\n", x, &x);
    printf("%d is stored at addr %u\n", *&x, &x);
    printf("%d is stored at addr %u\n", *ptr, ptr);
    printf("%d is stored at addr %u\n", ptr, &ptr);
    printf("%d is stored at addr %u\n", y, &y);
    *ptr = 25;
    printf("\n Now x = %d\n", x);
}

```

OUTPUT:

```

Value of x is 10
10 is stored at addr 4104
10 is stored at addr 4104
10 is stored at addr 4104
4104 is stored at addr 4106
10 is stored at addr 4108
Now x = 25

```