

## pointer.c

```
1  #include <stdio.h>
2
3  int main(){
4
5      int a = 10, b = 20,c;
6
7
8      printf("Address of a: %p\n", (void*)&a);
9      printf("Value of a: %d\n", a);
10
11     printf("Address of b: %p\n", (void*)&b);
12     printf("Value of b: %d\n", b);
13
14     int *p = &a;
15     printf("Address stored in pointer p: %p\n", (void*)p);
16     printf("Value pointed to by p: %d\n", *p);
17
18     int *q = &b;
19     printf("Address stored in pointer q: %p\n", (void*)q);
20     printf("Value pointed to by q: %d\n", *q);
21
22     // addition
23
24     c = *p + *q;
25     printf("Sum is %d\n", c);
26
27     return 0;
28 }
29
```