

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 }
```