```c
1    //sample code on parameter passing
2
3    #include<stdio.h>
4    #define N 65
5
6    void input(int *p){
7            printf("input: value of p = %p\n",p);
8            printf("       address of p = %p\n",&p);
9            printf("enter an integer: ");
10           scanf("%i",p); //need to pass the address of a in main
11   }
12
13   void output(int a){
14           printf("output: value of a = %i\n",a);
15           printf("        address of a = %p\n",&a);
16           //printf("a = %i\n",a);
17   }
18
19   int main(){
20
21           int a=N;
22           //int a;
23
24           //printf("%c\n",65);
25           printf("main: value of a = %i\n",a);
26           printf("      address of a = %p\n",&a);
27           input(&a);   //asks the user for an integer and store it to a
28           output(a);   //prints the value of a
29   }
```