

```
1  #include <stdio.h>
2
3  int main(void) {
4      int base, exponent, result = 1;
5
6      printf("Enter base: ");
7      scanf("%d", &base);
8
9      printf("Enter exponent: ");
10     scanf("%d", &exponent);
11
12     for (int i = 1; i <= exponent; ++i) {
13         result *= base;
14     }
15
16     printf("%d to the power of %d is %d\n",
17         base, exponent, result);
18
19     return 0;
20 }
```