

Aug 8, 2024

- main.c

~~#include~~

```
#ifndef MAIN_H #define MAIN_H  
double pow(double x, int n);  
#endif
```

- Exercise 0.c

```
#include <stdio.h>
```

```
#include "main.h"
```

```
int main() { double test = 1.5; int n = 5;  
    printf("%.5f", pow(test, n));  
    return 0; }
```

```
double pow(double x, int n) {  
    int i = 0; for the product = 1;  
    for (i = 0; i < abs(n); i++) {  
        if (n < 0) {  
            product = product * x;  
        }  
        else {  
            product = product / x;  
        }  
    }  
    return x;  
}
```