1) (5 pts) DSN (Recursive Coding)

Mathematically, given a function f, we recursively define $f^k(n)$ as follows: if k = 1, $f^1(n) = f(n)$. Otherwise, for k > 1, $f^k(n) = f(f^{k-1}(n))$. Assume that a function, f, which takes in a single integer and returns an integer already exists. Write a ***recursive*** function fcomp, which takes in both n and k (k > 0), and returns $f^k(n)$.

```
int f(int n);

int fcomp(int n, int k) {




}
```