Write a function that reverses the nodes of a linked list without allocating or freeing any memory.

```c
struct node {
    int value;
    struct node *next;
};

node *reverse(node *forward) {
```
Present your implementation of \textbf{binary_search}, which uses binary search to confirm whether or not the specified key is present in the sorted array of the given length.

```c
bool binary_search(int key, const int array[], int length) {
```
Implement the C string library function `strstr`, which searches for `needle` in `haystack` and returns the address (within `haystack`) of the first match (or `NULL` if there is no match)

```c
char *strstr(const char *haystack, const char *needle) {
```
Given two C strings, write a function that returns true if and only if they’re anagrams of each other.

    bool are_anagrams(const char *one, const char *two) {

