1. Implement the following string functions

char *reverse(char *str)
int palindrome(char *str)

- The function reverse reverses the string that is given as parameter and returns the string. For example for "apple banana" it returns "ananab elppa".
- The function palindrome returns 1 if the parameter is a palindrome and 0 otherwise. A string is a palindrome if it reads the same backwards and forwards. For example "racecar racecar" and "abcd efe dcba" are palindromes.