

Problem 27: Check whether a string is a palindrome.

Code:

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

int main() {
    char str[100];
    int i, len, flag = 1;

    printf("Enter string: ");
    fgets(str, sizeof(str), stdin);
    str[strcspn(str, "\n")] = '\0';

    len = strlen(str);

    for(i = 0; i < len/2; i++) {
        if(str[i] != str[len-i-1]) {
            flag = 0;
            break;
        }
    }
```

```
}  
  
if(flag) printf("Palindrome\n");  
else printf("Not Palindrome\n");  
  
return 0;  
}
```

Output:

Enter string: hello
Not Palindrome