```c
#include <stdio.h>

#include <ctype.h>

#include <string.h>


void strip (char original[], char stripped[]);

void reverse (char original[], char reversed[]);


int main()

{

    int size = 10000;

    char original[size];

    char stripped[size];

    char reversed[size];

    char copy[size];


    while(original!="*"){

    for (int i=0; i<size;i++){

        original[i]='\0';

        stripped[i]='\0';

        reversed[i]='\0';

        copy[i]='\0';

    }

    //get

    printf("please enter the string (* exit): ");

    fgets(original, size, stdin);


    // exit

    int final = strcmp(original, "*");


    if (final==10){

        break;

    }


    // strip

    strip(original, stripped);


    // copy so og doesnt get messed

    strcpy(copy, stripped);
```

```c
    // reverse
    reverse(copy, reversed);


    // check if palindrome
    final = strcmp(reversed, stripped);


    char *s="";


    if (final!=0){
        s= " not";
    }


    printf("original: %sstripped: %s\nreversed: %s",
    original, stripped, reversed);
    printf("\nPalindrome was%s detected\n\n", s);
}
    return 0;
}


void strip (char original[], char stripped[]){
    int y=0;
    char a;
    for (int i=0; i<strlen(original);i++){
        a = original[i];
        if (isalpha(a) || isdigit(a)){
            if (isupper(a)){
                a = tolower(a);
            }
            stripped[strlen(stripped)] = a;
        }
    }
}


void reverse (char original[], char reversed[]){
    int ogL = strlen(original)-1;
    char t = original[ogL];


    if (ogL>=0){
        reversed[strlen(reversed)] = t;
```

```
        original[ogL]='\0';

        reverse(original, reversed);

    }

    if (ogL>0){

        reversed[strlen(reversed)]='\0';

    }

}
```

```
please enter the string (* exit): Drab as a fool, aloof as a bard.
original: Drab as a fool, aloof as a bard.
stripped: drabasafoolaloofasabard
reversed: drabasafoolaloofasabard
Palindrome was detected

please enter the string (* exit): It ain't over till it's over
original: It ain't over till it's over
stripped: itaintovertillitsover
reversed: revostillitrevotniati
Palindrome was not detected

please enter the string (* exit): radar
original: radar
stripped: radar
reversed: radar
Palindrome was detected

please enter the string (* exit): When you come to a fork in the road, take it
original: When you come to a fork in the road, take it
stripped: whenyoucometoaforkintheroadtakeit
reversed: tiekatdaorehtnikrofaotemocuoynehw
Palindrome was not detected

please enter the string (* exit): Marge lets Norah see Sharon's telegram.
original: Marge lets Norah see Sharon's telegram.
stripped: margeletsnorahseesharonstelegram
reversed: margeletsnorahseesharonstelegram
Palindrome was detected

please enter the string (* exit): *


...Program finished with exit code 0
Press ENTER to exit console.
```