Labor 4.1:

#include <stdio.h>  
  
int stringLength(char \*input){  
 int length=0;  
 int i=0;  
 while (input[i] != '\0'){  
 length++;  
 i++;  
 }  
 return length;  
}  
  
int main() {  
 char string[] = "this string is long";  
 printf("stringLength is %i\n", stringLength(string));  
 return 0;  
}

Program welches eine Datei einliest und druckt:

#include <stdio.h>  
//Textfile: C:\Users\marti\OneDrive\Desktop\Semester 2.5\Info2\FilesForCproj  
  
int main() {  
 FILE\*hamlet;  
 char hamCh[100];  
 hamlet = fopen("C:\\Users\\marti\\OneDrive\\Desktop\\Semester 2.5\\Info2\\FilesForCproj\\Hamlet.txt","r");  
 printf("%s",fgets(hamCh,100,hamlet));  
 return 0;  
}

Labor 4.2:

#include <stdio.h>  
//Textfile: C:\Users\marti\OneDrive\Desktop\Semester 2.5\Info2\FilesForCproj  
int stringLength(const char \*input){  
 int length=0;  
 int i=0;  
 while (input[i] != '\0'){  
 length++;  
 i++;  
 }  
 return length;  
}  
  
int analyseCharacter(char\*input, unsigned char letter) {  
 int letterToFind = letter;  
 //printf("letterToFind=%d\n",letterToFind);  
 //printf("stringlength=%d\n",(stringLength(input)));  
 int instances = 0;  
 int i;  
 for (i=0;i<(stringLength(input));i++){  
 if (letterToFind == input[i]){  
 instances++;  
 }  
 }  
 return instances;  
}  
  
int main() {  
 FILE\*hamlet;  
 char hamCh[1000];  
 char letterUsed = 'a';  
 //printf("Enter letter to search for:\n");  
 //scanf("%c", letterUsed);  
 hamlet = fopen("C:\\Users\\marti\\OneDrive\\Desktop\\Semester 2.5\\Info2\\FilesForCproj\\Hamlet.txt","r");  
 printf("Text=%s\n",fgets(hamCh,1000,hamlet));  
 printf("There are %d instances of the letter %c in the text\n",analyseCharacter(hamCh, letterUsed),letterUsed);  
 return 0;  
}