# LAB 5

### Q1:

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Hab5.c - Code::Blocks 20.03
                                                                                                                                           - o ×
∨ main() : int
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Management X Start here X lab5.c X
 Projects Files FSymbols
// Function to add a task to the to-do list file
                                int main(){
FILE *fptr;
                                 int stream;
                                 fptr=fopen("LAB5.txt","w");
if(fptr!=NULL){
                                 fprintf(fptr,"%s %s %s %s","I","AM","PERFORMING","LABS");
                           10
11
                                 printf("Unable to open the file");
                           12
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16
                                 fclose(fptr);
fptr=fopen("LAB5.txt","a");
if(fptr!=NULL)(
                                  fprintf(fptr, "\nUSING CODE BLOCKS ");
                           17
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                                 printf("Unable to open the file");
                           22
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                                 fclose(fptr);
                                 fptr=fopen("LAB5.txt","r");
                           26
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28
                                 if (fptr!=NULL) {
                                 while( (ch=getc(fptr))!=EOF )
                                                    C/C++ Windows (CR+LF) WINDOWS-1252 Line 25, Col 1, Pos 448
                                                                                                                           Read/Write default
C:\Users\uni-tech\Documents\lab5.c
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# *lab5.c - Code::Blocks 20.03
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∨ main() : int
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Management X Start here X *lab5.c X
  Projects Files FSymbols
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                                 fclose(fptr);
fptr=fopen("LAB5.txt","a");
if(fptr!=NULL){
○ Workspace
                           16
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                                 fprintf(fptr, "\nUSING CODE BLOCKS ");
                                 printf("Unable to open the file");
                           20
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                                 fclose(fptr);
                           25
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28
                                 fptr=fopen("LAB5.txt", "r");
                                 if(fptr!=NULL)(
while((ch=getc(fptr))!=EOF)
                                 printf("%c", ch );}
                           29
                           30
31
32
33
                                  //Another minor for realing
//char myString[100];
//while(facts(myString, 100, fptr)) {
//brintf("%s", myString);
                           34
                           35
36
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                                 fclose(fptr);
                           39
                           40
C:\Users\uni-tech\Documents\lab5.c
                                                              Windows (CR+LF) WINDOWS-1252 Line 33, Col 29, Pos 624
                                                                                                                    Modified Read/Write default
                                                                                                                        □ ^ @ ₩ (€ Φ) 12:35 AM 12/12/2023 €2
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```

## **OUTPUT**:

```
TAM PERFORMING LABS

DISTRICTORS (0M9) execution time: 0.062 s

Press any key to continue.

□ LABS-Notepad

□
```

### Q2:

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*lab5.c - Code::Blocks 20.03
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| Part | 
    <global>
       8 % /** *< @ ? | ♡ | ○ | ○ | □ |
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    Management × Start here × *lab5.c × lab51.c ×
                                                                                                                                                                               x "labSc X labSlc X |
finclude <stdio.h>
finclude <stdool.h>
finclude <stdool.h>
finclude <stdype.h>

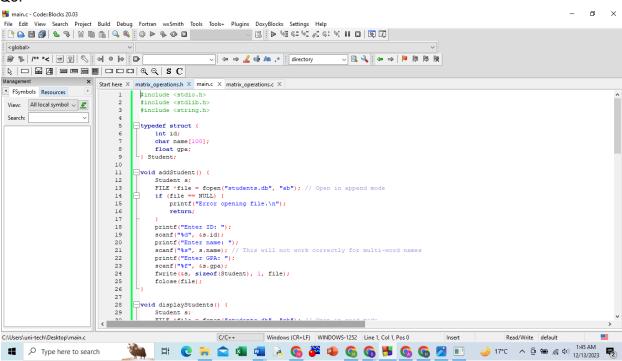
lint main() {
   FILE "file;
   char filename() = "LABS.txx"; // Change to your file name char ch;
   int wordCount = 0;
   bool inWord = false;
   file = fopen(filename, "r");
   if (file == NULL) {
        perror("Unable to open the file");
        return -1;
   }
}
       Projects Files FSymbols

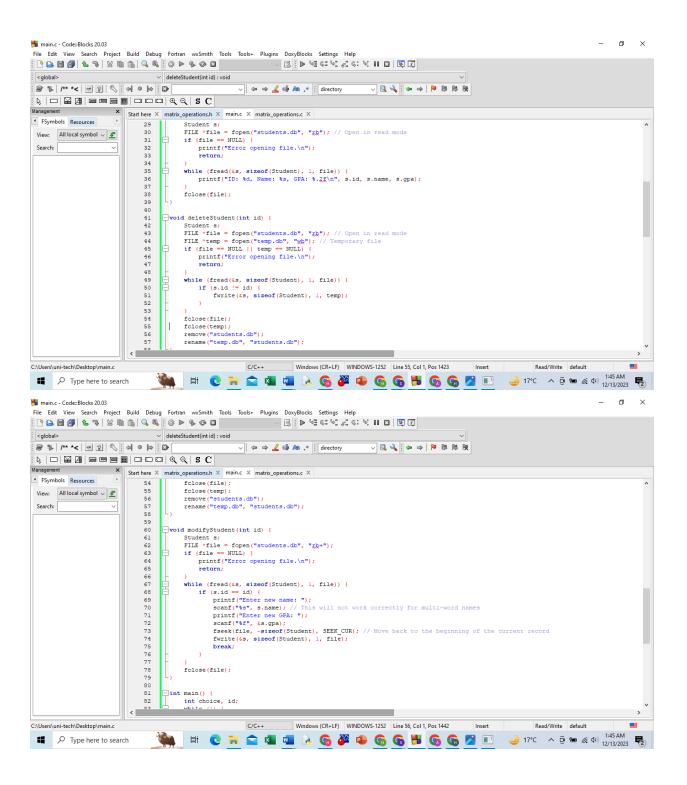
    ₩orkspace

                                                                                                                                                              4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
                                                                                                                                                                                                                       )
while ((ch = fgetc(file)) != EOF) (
    if (isspace(ch) || ch == '\n' || ch == '\t') {
        inWord = false;
    } else if (!inWord) {
        inWord = true;
        wordCount++;
}
                                                                                                                                                                                                                         }
fclose(file);
printf("Total number of words: %d\n", wordCount);
return 0;
                                                                                                                                    Logs & others
```

#### **OUTPUT**:

# Q3:





```
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👫 main.c - Code::Blocks 20.03
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                                                                                                               ∨ main():int
   <global>
    8 % /** *< | @ 2 | ♡ | ⇔ | ▷ |
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                                                                                                                                                                                                                                                                                                                         Management X Start here X matrix_operations.h X main.c X matrix_operations.c X

    FSymbols Resources

                                                                                                                                           int choice, id;
while (1) {
                                                                                                     82
83
    View: All local symbol V
                                                                                                                                                       84
85
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    Search:
                                                                                                   89
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                                                                                                                                                                                    break;
                                                                                                                                                                       case 2:
    displayStudents();
    break;
                                                                                                                                                                       case 3:
                                                                                                                                                                            printf("Enter ID to delete: ");
                                                                                                                                                                                     break;
                                                                                                                                                                                   printf("Enter ID to modify: ");
scanf("%d", &id);
modifyStudent(id);
                                                                                                                                                                                     break;
                                                                                                                                                                     case 5:
   exit(0);
                                                                                                    103
                                                                                                   104
105
106
                                                                                                                                                                               printf("Invalid choice\n");
                                                                                                    107
                                                                                                    108
                                                                                                    109
                                                                                                                                             return 0;
```

### **OUTPUT**:

```
3 ₺ /**
| Add Student | 2. Display Students | 3. Delete Student | 5. Exit 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exit\nEnter
                                                                                                                    Add Student
Display Students
Delete Student
Modify Student
                                                                                                               Add Student
Display Students
Delete Student
    Enter GPA: 3.4
                                                                                                   Add Student
                                                                                          . Add Student
. Display Students
. Delete Student
. Modify Student
. Modify Student
. Exit
nter choice: 2
D: 43551, Name: ABDUL, GPA: 0.00
D: 6422008, Name: BASIT, GPA: 3.50
D: 22333, Name: AHMED, GPA: 3.40
           • FSymbols
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exit\nEnter choice: ");
                View: All I
                                                                                               Add Student
Display Students
Delete Student
Modify Student
Exit
ter choice: 4
ter ID to modify: 22333
ter new name: ALI
ter new GPA: 3.8
                                                                                               Add Student
Display Students
Delete Student
Modify Student
Exit
                                                                                                                           choice: 3
ID to delete:
BASIT_
```