**RESUME SCANNING SOFTWARE**
**OUTPUT SCREENSHOTS**

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**Executing make file**

```
[MMA:~ mck$ cd Desktop/res_scan
[MMA:res_scan mck$ make -f cmake.mk
gcc -c Cproj.c
gcc -c func.c
gcc Cproj.o func.o -o scan
MMA:res_scan mck$
```

**Validating command line arguments/error handling**

**1. When no file names are passed**

```
[MMA:res_scan mck$ ./scan
 Insufficient arguments passed. Please try again.
```

**2. When file names lack .txt extension while passing as arguments**

```
[MMA:res_scan mck$ ./scan resume0 resume1 resume2

[The argument(s) passed have missing '.txt' extension. Please enter with .txt extensions only.
```

**3. When program ends on first occurrence of the file that doesn't exist.**

```
[MMA:res_scan mck$ ./scan resume0.txt resume1.txt resume4.txt

 File 'resume4.txt' could not be opened.
 Please enter files that exist in this directory or check whether file can be opened in read mode.
[MMA:res_scan mck$ ./scan resume0.txt resume2.txt  resume1.txt
```

**Program ends in all of the above cases since arguments are invalid in some way.**

**Once validated, program initiates-**

1. **Option 1, validating input, proving case insensitivity.**

```
                        RESUME SCANNING SOFTWARE
This program will shortlist the files that contain the keywords given according to the conditions


Please select the type of scanning.
1. Single keyword- all files will be searched for one keyword only.
2. Multiple keywords- will further ask to choose and/or conditions on keywords.

Enter: r

Please enter INTEGERS 1 or 2 only: rt

Please enter INTEGERS 1 or 2 only: 45

Please enter INTEGERS 1 or 2 only: 45t

Please enter INTEGERS 1 or 2 only: 1

Enter keyword (Note that any keyword entered will be taken singularly):
project management

==========RESULT==========
        resume0.txt
        resume1.txt

THANK YOU for your patience! :)
MMA:res_scan mck$ ./scan resume0.txt resume2.txt  resume1.txt
```
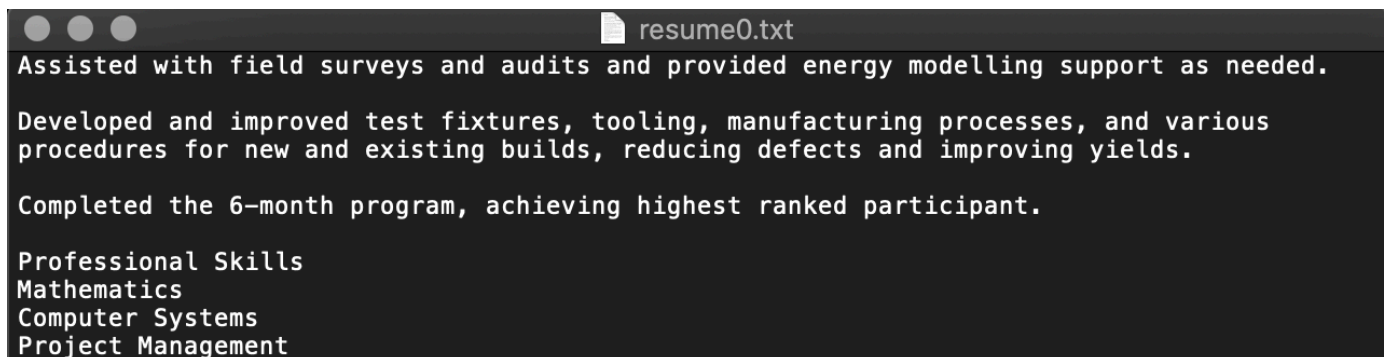
**Presence of 'Project Management' in resume0.txt and resume1.txt; case sensitivity was avoided.**

```
● ● ●                            resume0.txt
Assisted with field surveys and audits and provided energy modelling support as needed.

Developed and improved test fixtures, tooling, manufacturing processes, and various
procedures for new and existing builds, reducing defects and improving yields.

Completed the 6-month program, achieving highest ranked participant.

Professional Skills
Mathematics
Computer Systems
Project Management
```
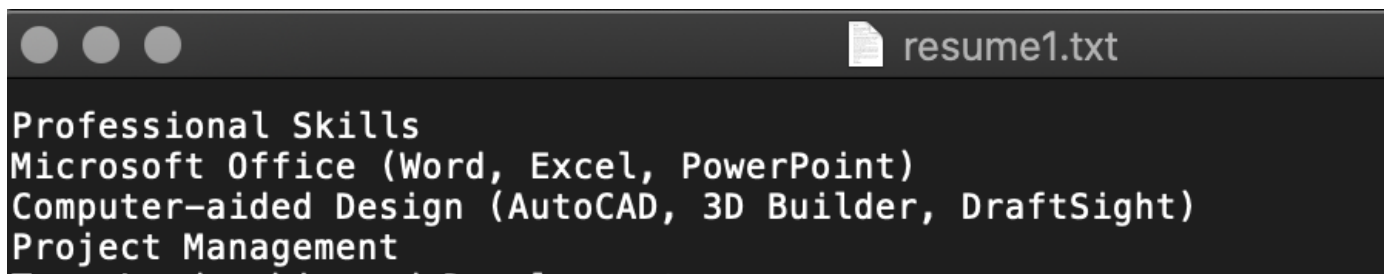
```
● ● ●                            resume1.txt

Professional Skills
Microsoft Office (Word, Excel, PowerPoint)
Computer-aided Design (AutoCAD, 3D Builder, DraftSight)
Project Management
```

## 2. Option 1 when keyword not found in any of the files

```
                        RESUME SCANNING SOFTWARE
This program will shortlist the files that contain the keywords given according to the conditions


Please select the type of scanning.
1. Single keyword- all files will be searched for one keyword only.
2. Multiple keywords- will further ask to choose and/or conditions on keywords.

Enter: 1

Enter keyword (Note that any keyword entered will be taken singularly):
web programmming

==========RESULT==========

None of the files contain given keyword

THANK YOU for your patience! :)
[MMA:res_scan mck$ ./scan resume0.txt resume2.txt  resume1.txt
```

## 3. Option 2, validating input, using AND operator

```
[MMA:res_scan mck$ ./scan resume0.txt resume2.txt  resume1.txt resume3.txt resume4.txt resume5.txt
                        RESUME SCANNING SOFTWARE
This program will shortlist the files that contain the keywords given according to the conditions


Please select the type of scanning.
1. Single keyword- all files will be searched for one keyword only.
2. Multiple keywords- will further ask to choose and/or conditions on keywords.

Enter: rt

Please enter INTEGERS 1 or 2 only: t

Please enter INTEGERS 1 or 2 only: 45g

Please enter INTEGERS 1 or 2 only: 2

How many number of keywords to scan?
Please enter INTEGERS only: er
Please enter INTEGERS only: t
Please enter INTEGERS only: 3

Start entering keywords one by one
HTML/CSS
javascript
front-end developer

Which logical operator to be applied?
 1. AND
 2. OR
 Enter option: rt

Please enter INTEGERS 1 or 2 only: 5t

Please enter INTEGERS 1 or 2 only: 3

Please enter INTEGERS 1 or 2 only: 1

Scanning under AND conditon.
Files that have the entered keyword(s) according to the conditions will be displayed shortly.


==========RESULT==========
        Keywords found in resume4.txt
        Keywords found in resume5.txt

THANK YOU for your patience! :)
MMA:res_scan mck$
```

**Reference for the above output of AND operator :**

**resume4.txt:**

```
● ● ●                          📄 resume4.txt
cart, quick view, and checkout page, using React components
TRADELOT, Front-end Developer
Current - Current
Architected, designed, and developed intranet applications in Visual Studio 2005, using
JavaScript
Introduced wireframing and information architecture concepts to increase team productivity
Created front-end prototype for a medical billing web platform that won company's Most
Innovative award in 2007

SKILLS
Expert in HTML/CSS, JavaScript, jQuery, AngularJS, React
```

**resume5.txt:**

```
● ● ●                          📄 resume5.txt
TRADELOT, Front-end Developer
Current - Current
Translated design team's UX wireframes and mockups into responsive, interactive features,
using HTML/CSS and JavaScript
Worked with agile team to migrate legacy company website to AngularJS, Sass, HTML5, and
```

4.  **Option 2 using AND operator when none of the files have the keywords under AND condition**

```
                        RESUME SCANNING SOFTWARE
This program will shortlist the files that contain the keywords given according to the conditions


Please select the type of scanning.
1. Single keyword- all files will be searched for one keyword only.
2. Multiple keywords- will further ask to choose and/or conditions on keywords.

Enter: 2

How many number of keywords to scan?
Please enter INTEGERS only: 4

Start entering keywords one by one
football
manager
JAVA
game dev

Which logical operator to be applied?
 1. AND
 2. OR
 Enter option: 1

Scanning under AND conditon.
Files that have the entered keyword(s) according to the conditions will be displayed shortly.


===========RESULT============
Sorry! None of the files have all the keywords entered under AND conditon

THANK YOU for your patience! :)
```

**5. Option 2 using OR operator, shows which keywords are found in each file**

```
MMA:res_scan mck$ ./scan resume0.txt resume2.txt  resume1.txt resume3.txt resume4.txt resume5.txt
                     RESUME SCANNING SOFTWARE
This program will shortlist the files that contain the keywords given according to the conditions


Please select the type of scanning.
1. Single keyword- all files will be searched for one keyword only.
2. Multiple keywords- will further ask to choose and/or conditions on keywords.

Enter: 2

How many number of keywords to scan?
Please enter INTEGERS only: 4

Start entering keywords one by one
engineer
html/css
javascript
developer

Which logical operator to be applied?
 1. AND
 2. OR
 Enter option: 2

Scanning under OR conditon.
Files that have the entered keyword(s) according to the conditions will be displayed shortly.


==========RESULT==========


 resume0.txt:
        found 'engineer'


 resume2.txt:


 resume1.txt:
        found 'engineer'


 resume3.txt:
        found 'engineer'
        found 'javascript'
        found 'developer'


 resume4.txt:
        found 'html/css'
        found 'javascript'
        found 'developer'


 resume5.txt:
        found 'html/css'
        found 'javascript'
        found 'developer'

THANK YOU for your patience! :)
MMA:res_scan mck$
```

**Result for resume2.txt is blank since that is a chef's resume.**