

```

felixnowman@Felixs-MacBook-Air codes % cd
felixnowman@Felixs-MacBook-Air ~ % ls
AndroidStudioProjects      Music
Applications                Pictures
Desktop                    Postman
Documents                  Public
Downloads                  PycharmProjects
IdeaProjects                iCloud Drive (Archive)
IdeaSnapshots              ingeger.sh
Library                    java_error_in_studio.hprof
Movies                     typescript
felixnowman@Felixs-MacBook-Air ~ % cd Desktop
felixnowman@Felixs-MacBook-Air Desktop % cd course-3
felixnowman@Felixs-MacBook-Air course-3 % cd Spring
felixnowman@Felixs-MacBook-Air Spring % cd SP
felixnowman@Felixs-MacBook-Air SP % ls
HM-1    LAB-1    LAB-2    LAB-5    LAB-6
felixnowman@Felixs-MacBook-Air SP % cd LAB-2
felixnowman@Felixs-MacBook-Air LAB-2 % ls
codes      lab2_Task1.pdf  lab2_Task2.pdf  labsysprog2.pdf
felixnowman@Felixs-MacBook-Air LAB-2 % cd codes
felixnowman@Felixs-MacBook-Air codes % ls
Task1    Task2
felixnowman@Felixs-MacBook-Air codes % mkdir Task3
felixnowman@Felixs-MacBook-Air codes % cd Task
cd: no such file or directory: Task
felixnowman@Felixs-MacBook-Air codes % cd Task3
felixnowman@Felixs-MacBook-Air Task3 % vim libSuvonkulov.a
felixnowman@Felixs-MacBook-Air Task3 % rm libSuvonkulov.a
felixnowman@Felixs-MacBook-Air Task3 % vim libSuvonkulov.h
felixnowman@Felixs-MacBook-Air Task3 % vim libMain.c
felixnowman@Felixs-MacBook-Air Task3 % vim libMain.c
felixnowman@Felixs-MacBook-Air Task3 % gcc -c libMain.c -o libMainOut.o

felixnowman@Felixs-MacBook-Air Task3 % ar rcs libAbdulaziz.a libMainOut.o

felixnowman@Felixs-MacBook-Air Task3 % clear


felixnowman@Felixs-MacBook-Air Task3 % vim Abdulaziz.h
felixnowman@Felixs-MacBook-Air Task3 % vim Abdulaziz_func.c
felixnowman@Felixs-MacBook-Air Task3 % gcc -c Abdulaziz_func.c -o Abdulaziz_func_out.o

Abdulaziz_func.c:2:10: fatal error: 'yourname_matrix.h' file not found
    2 | #include "yourname_matrix.h"
      |           ^~~~~~~~~~~~~~~~~~~~~
1 error generated.
felixnowman@Felixs-MacBook-Air Task3 % vim Abdulaziz_func.c
felixnowman@Felixs-MacBook-Air Task3 % gcc -c Abdulaziz_func.c -o Abdulaziz_func_out.o

felixnowman@Felixs-MacBook-Air Task3 % ar rcs libSuvonkulov.a Abdulaziz_func_out.o

felixnowman@Felixs-MacBook-Air Task3 % vim main.c
felixnowman@Felixs-MacBook-Air Task3 % gcc -c main.c -o mainOut.o

```

```
felixnowman@Felixs-MacBook-Air Task3 % gcc main.o -L. -lSuvonkulov -o main
```

```
clang: error: no such file or directory: 'main.o'
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```
felixnowman@Felixs-MacBook-Air Task3 % gcc mainOut.o -L. -lSuvonkulov -o main
```

```
felixnowman@Felixs-MacBook-Air Task3 % ./main
```

Enter matrix A:

Enter 9 elements for the 3x3 matrix:

1
2

3
4
5
6
7
8
9

Enter matrix B:

Enter 9 elements for the 3x3 matrix:

9
8
7
6
5
4
3
2
1

Matrix A:

Matrix:

1.00 2.00 3.00
4.00 5.00 6.00
7.00 8.00 9.00

Matrix B:

Matrix:

9.00 8.00 7.00
6.00 5.00 4.00
3.00 2.00 1.00

Sum of A and B:

Matrix:

10.00 10.00 10.00
10.00 10.00 10.00
10.00 10.00 10.00

Multiplication of A and B:

Matrix:

30.00 24.00 18.00
84.00 69.00 54.00
138.00 114.00 90.00

Determinant of A: 0.00

Matrix A has no inverse.

```
felixnowman@Felixs-MacBook-Air Task3 %
```