

PRELAB #11 - CSE 1310

Objectives:

The purpose of this PRELAB is to help you in:

- Multidimensional Arrays
- File handling operations

1. True or False:

- Type *int* is used for the array subscripting expressions.
- Two elements of the same array can be of different data types.
- The statement
 `x[counts[i]]=8.5 ;`
is valid. (consider all variables defined).
- `stdin` is used to by a C program to associate to a screen.
- A file can be used for both input and output by the same program.

2. Fill in the blank:

- The two methods of array access are called _____ and _____.
- An ___ loop allows us to access easily the elements of an array in ___ order.
- A _____ file consists of a stream of character codes.
- A word processor cannot be used to create or view a _____ file.
- The _____ character separates a text file into lines and the ___ character appears at the end of the file.

3. How many elements does array `m` have? Show how you would reference each one.

```
double m[2][4]
```

4. What file pointer name(s) does a C program associate with the keyboard and the screen?

5. Where are files stored?

6. What is a file pointer?

7. Explain `fopen()`, `fscanf()`, `fprintf()`, `fclose()` and `feof()` with examples?