

# CN208

## Introductory Computer Programming

Week 12:- File Input and Output

By

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## File Input and Output

- **File Concept**
- File in MATLAB
  - High Level I/O Functions
  - Low Level File I/O

## File Input and Output

- File Concept
- **File in MATLAB**
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## File Input and Output

```
>> [num txt raw] = xlsread('test.xls')
```

```
num =
```

```
12 14
```

```
12 12
```

```
12 1
```

```
13 13
```

```
14 14
```

```
15 15
```

## File Input and Output

txt =

'mr. A'

'mr .B'

'C'

'D'

'E'

'F'

## File Input and Output

raw =

'mr. A' [12] [14]

'mr .B' [12] [12]

'C' [12] [1]

'D' [13] [13]

'E' [14] [14]

'F' [15] [15]

## File Input and Output

```
>> A = dlmread('nums.txt')
```

```
A =
```

```
12
```

```
414
```

```
151
```

```
134
```

```
13
```

## File Input and Output

- File Concept
- File in MATLAB
  - High Level I/O Functions
  - **Low Level File I/O**

## File Input and Output

```
function [ output_args ] = listFile( input_args )
%LISTFILE Summary of this function goes here
% Detailed explanation goes here
fn = input( 'file name: ', 's');
%file handled
fh = fopen( fn, 'r');
ln = "";
while ischar (ln)
    ln = fgets (fh);
    if ischar(ln)
        fprintf(ln);
    end
end
fclose(fh);
```

## File Input and Output

```
>>listFile
file name: nums.txt
12
414
151
134
13
```

## File Input and Output

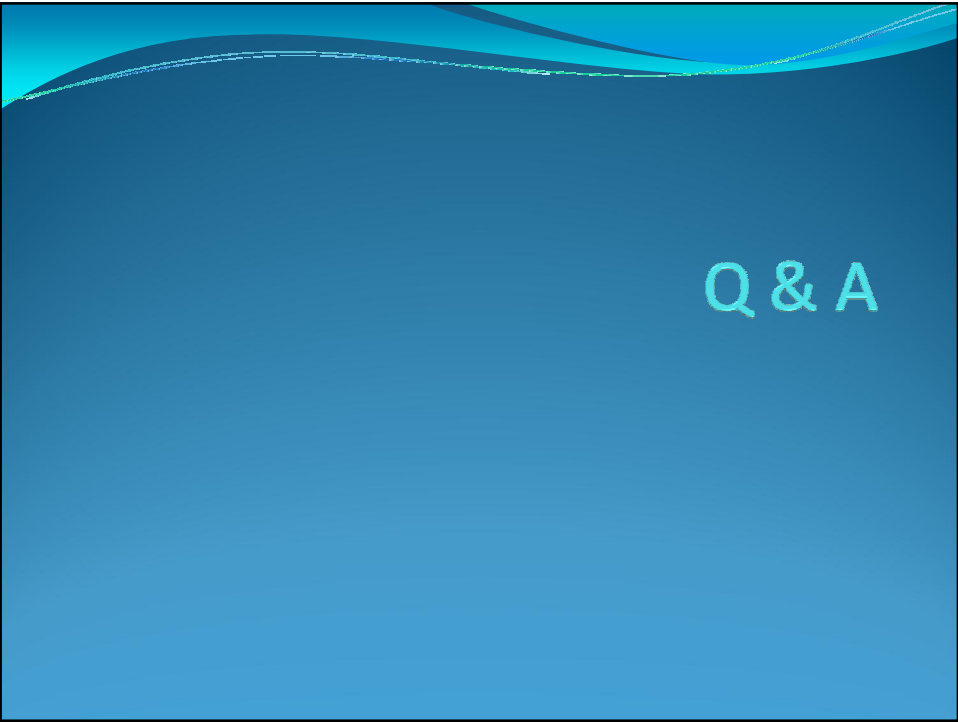
```
function [ output_args ] = copyFile( input_args )
%COPYFILE Summary of this function goes here
% Detailed explanation goes here
ifn = input( 'input file name: ', 's' );
ofn = input( 'output file name: ', 's' );
ih = fopen( ifn, 'r' );
oh = fopen( ofn, 'w' );
ln = '';
while ischar( ln )
    ln = fgets( ih );
    if ischar( ln )
        fprintf( oh, ln );
    end
end
fclose( ih );
fclose( oh );
```

## File Input and Output

```
>> copyFile
input file name: nums.txt
output file name: num_copy.txt

ans =
     0

ans =
     0
```



Q & A