ECE 2409

Fall 2020

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Homework 6

```
clc;clear;close all
c=datetime;
fprintf('Last run was %s\n',c)
```

```
Last run was 08-Nov-2020 16:32:34
```

```
%the input lines are commented out because I am testing the 3 cases, A,B,C
%A=input('Enter value for A\n')
%B=input('Enter value for B\n')
%C=input('Enter value for C\n')
```

Case 1: A Largest

```
A=100
```

```
A = 100
```

```
B=50
```

```
B = 50
```

```
C=1
```

```
C = 1
```

```
if A>B
    if A>C
        fprintf('The largest number is A = %3d',A)
    else
        fprintf('The largest number is C = %3d',C)
    end
else
    if C>B
        fprintf('The largest number is C = %3d',C)
    else
        fprintf('The largest number is B = %3d',B)
    end
end
```

```
The largest number is A = 100
```

Case 2: B Largest

```
A=10
```

```
A = 10
```

```
B=95
```

```
B = 95
```

```
C=42
```

```
C = 42
```

```
if A>B
    if A>C
        fprintf('The largest number is A = %3d',A)
    else
        fprintf('The largest number is C = %3d',C)
    end
else
    if C>B
        fprintf('The largest number is C = %3d',C)
    else
        fprintf('The largest number is B = %3d',B)
    end
end
```

```
The largest number is B =  95
```

Case 3: C Largest

```
A=7
```

```
A = 7
```

```
B=30
```

```
B = 30
```

```
C=120
```

```
C = 120
```

```
if A>B
    if A>C
        fprintf('The largest number is A = %3d',A)
    else
        fprintf('The largest number is C = %3d',C)
    end
else
    if C>B
        fprintf('The largest number is C = %3d',C)
    else
        fprintf('The largest number is B = %3d',B)
    end
end
```

```
The largest number is C = 120
```