Conditional Statement

```
>> x=5;
>> if x==0
        disp('Can not divide by zero');
    else
        y=1/x;
        disp(y);
    end
 0.20000

>> x=3;
>> switch x
        case 1
                disp('One')
        case 2
                disp('Two')
        otherwise
        disp('Three or greater');
        end
        Three or greater
>>
```

Loops

```
>> for n = 1:3
        disp(n)
    end

>> x = 3;
>> while x>0
        disp(x);
        x = x-1;
     end
```

Graph Plotting:

```
>> % Plotting of Graphs
>> x=[1,2,3,4,5,6];
>> y=[1,4,9,16,25,36];
>> plot(x,y);
```