Matlab functions

```
% concatenate strings and numbers
a = 2;
newVar = ['a' num2str(a)];
newVar
```

```
newVar = 'a2'
```

Get a variable from a string

```
a2 = 100;
```

```
a2 = 100
```

```
b = eval('a2');
b
```

```
b = 100
```

turn a cell array into a string array

```
% Create a cell array
myCell = {'a';'b';'c'}
```

```
myCell = 3x1 cell
'a'
'b'
'c'
```

```
% turn it into a string
myCell_str= string(myCell)
```

```
myCell_str = 3x1 string
"a"
"b"
"c"
```

```
% concatenate the three element in one single element
myCell_str_sing = strjoin(myCell_str, '_')
```

myCell_str_sing = "a b c"

```
% this is a string array (double quotes)
% to convert it to a character vector run the following
myCell_char = char(myCell_str_sing)
```