

```
inStr = input('Enter in a string: ','s')
```

```
inStr =  
'ball'
```

```
strList = {'strike', 'ball', 'home run', 'bat', 'hit'};
```

```
k = ismember(strList,inStr)
```

```
k = 1x5 logical array  
    0     1     0     0     0
```

```
x = 1;  
for a = 1:5  
    if k(a) > 0  
        disp("Your word matched with one in the list at " + x + ".")  
    else  
        x = x +1;  
        if x==6  
            disp("The word is not found in the list")  
        end  
    end  
end  
end
```

Your word matched with one in the list at 2.

```
inStr = input('Enter in a string: ','s')
```

```
inStr =  
'bat'
```

```
strList = ["strike", "ball", "home run", "bat", "hit"];  
strList = string(strList)
```

```
strList = 1x5 string  
"strike"    "ball"      "home run"  "bat"      "hit"
```

```
stringIndex = strfind(strList, inStr)
```

```
stringIndex = 1x5 cell
```

	1	2	3	4	5
1	[]	[]	[]	1	[]

```
if ~isempty(stringIndex)  
    for i=1 : length(stringIndex)  
        disp(stringIndex(i))  
        x=size(stringIndex(i))  
        if x==1  
            disp("There is a string in index " + i)  
        end  
    end  
end
```

```

    end
else
    disp("The string not found in the list")
end

```

```

    {0×0 double}
x = 1×2
    1    1
There is a string in index 1
    {0×0 double}
x = 1×2
    1    1
There is a string in index 2
    {0×0 double}
x = 1×2
    1    1
There is a string in index 3
    {[1]}
x = 1×2
    1    1
There is a string in index 4
    {0×0 double}
x = 1×2
    1    1
There is a string in index 5

```