Read Oscilloscope Data into Matlab

1. Insert flashdrive into USB port on the oscilloscope.
2. On the oscilloscope under “File” press “Save/Recall”
3. On the bottom of the screen, press “Save”
4. Under “Format” select “CSV data” and the file is now on the flashdrive
5. In Matlab, create a script and copy the following code

```
%% Insert your file name here
file_name = 'scope_6.csv';

%% Read the data
data = csvread('scope_6.csv',2,0);
[rows,cols] = size(data);
time = data(:,1);
voltage1 = data(:,2);
if cols == 3
    voltage2 = data(:,3);
elseif cols == 4
    voltage2 = data(:,3);
    voltage3 = data(:,4);
elseif cols == 5
    voltage2 = data(:,3);
    voltage3 = data(:,4);
    voltage4 = data(:,5);
end
```

6. Your file needs to be the active folder in Matlab
7. Your `file_name` will need to change based on the saved data
8. Now you have variables of time (`time`) and voltages (`voltage1, voltage2, voltage3, voltage4`) of the different channels