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## Part 1 - Git Hub

```
% I made a github account with my valid boise state URL
% Cloned the master branch into my local directory
% Also made a new breanch called GEOS397_Zylka
```

i would go about this in understanding what language i would have to put into matlab to obtain the results that i wanted, i would run a loop that constrains me, as being a 1, and put in constraints saying that 'me' can only be assigned to each other variable once. a combination funcation? where a=(1,2).....a=(1,3).....etc.... so after my script runs i would have nine rows and 2 columns until all combinations were met with.

```
%integer_ whole numbers
%example would be a=1
%this helps save execution time and memory if you use the
%smallest integer type for your data
```

```
%double- Decimals, but this will tend to use more data
%thus increasing memory
%example- 28.4726
```

```
%string- text. variables will be store as a text
%example (a='myname')
```

```
%structure- an array structure will group related date using
    containers
%called fields.
%youll use dot notarion to access date of the form
%structName.fieldName
```

Variables with a large scope should have a useful name. Variables with a small scope can have shorter names. Variables should use the convention "firstSecondThirdEtc. where the

```
%variable name is descriptive enough, having the first word lowercase,
    and
%capitalizing each subsequent word afterwords.
% In the case for constants, underscores may be used in conjunction
    with all
%uppercase letters; example LIKE_THIS
% A Structure should havbe a capitalized leading word, followed by all
%lowercase letters; example Like.this
```

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