CSC209 Week 2 Notes

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Shell Programming 1 of 6

- *.<*EXTENSION*>
 - returns all items under the extension

```
# computer-science-notes folder

>>> echo *.pdf

common_mistakes_in_proofs.pdf sample.pdf

# computer-science-notes folder

sample.pdf
```

- read
 - store values in variable interactively"

```
>>> read x y
>>> hello world 2
>>> echo $x
hello
>>> echo $y
world 2
```

- _ "
- store commands in variable

Shell Programming 2 of 6

- test
 - checks file types and compares values
 - used in if and while statement to check condition

- test <EXPRESSION > is equivalent to [EXPRESSION]

```
1     >>> if [ 0 -eq 0 ]
2     if> then
3     then> echo 'hello'
4     then> fi
5     hello
```

- has the following numeric comparison operators
 - 1. -lt: less than
 - 2. **-gt:** greater than
 - 3. **-eq:** equal to
 - 4. -ne: not equal
 - 5. **-le:** less than
 - 6. **-ge:** greater than

```
1     >>> test 2 -lt 3
2     >>> echo $?
3     0
```

- has the following file testing operators
 - 1. **-f file:** file exists and is a plain file
 - 2. **-d file:** file exists and is a directory
 - 3. -s file: file exists and is a plain file of non-zero size

```
>>> echo 'hello world' > sample.txt
>>> test -s sample.txt
>>> echo $?
0
```

- if
- &&: chains multiple if conditions