

CS 1340:Fall 2020:Lecture 10

Intro to Python for CS and Data Science

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Control Structure Review

if statements

```
x = 10
if x == 10:
    print('x is', x)
else:
    print('x is not 10')
```

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ifs

```
x = 10
y = 20

if x == 10 and y != 10:
    print('Isn\'t this fun?')
elif y == 20:
    print('Can\'t you tell that y is 20?')
else:
    print('Go Home!')
```

Isn't this fun?

3

for

```
for x in range(5, 10):  
    print (x)
```

```
5  
6  
7  
8  
9
```

4

for

```
names = ['Mark', 'Brian', 'Amanda']
```

```
for name in names:  
    print(name)
```

```
Mark  
Brian  
Amanda
```

5

Algorithm Development

Find the Best Grade

```
grades = [88, 92, 76, 94, 95, 93, 99, 89, 82]  
# Which students (index) got the highest score?
```