July 10th Practise

```
#Practice Exercise

Cad = float(input("Enter the amt of candian dollars: "))
rate = float(input("Enter the exchange rate: "))
fee_rate = float(input("The enter fee charged in percentage: "))
Cad = Cad*(1-(fee_rate/100))
USD = Cad/rate
print("The converted dollar amount is: ${}".format(USD))

The converted dollar amount is: $1.85
```

Excercise 1 - Slide 6

```
#Exercise 1 Floor Remainder - Slide 6

mph = float(input("Enter the miles per hour: "))
# mph = 8.5
sec_per_mile = 3600/mph
min_per_mile = sec_per_mile//60
sec_per_mile_1 = sec_per_mile%60
print("\nYour pace is
",format(min_per_mile,'.0f'),":",format(sec_per_mile_1,'02.0f'), " per
mile",sep="")
print("Your pace is {0:.0f}:{1:02.0f} per mile".format(min_per_mile,
sec_per_mile_1))


Your pace is 7:04 per mile
Your pace is 7:04 per mile
```

Practise

```
###format review - what happens?
Example = 3.14159
print(format(Example,'.2f'))

Example1 = 1123123211
print(format(Example1,',d'))

###must match data type to format
###fix to get whole number
Example3 = 3.4
print(int(Example3))
print(format(Example3, '.1f'))

3.14
1,123,123,211
```

```
3
3.4
```

```python
print('My acc balance is ${1:.3f} and {0:.1f}'.format(100,1344))
```

```
My acc balance is $1344.000 and 100.0
```

```python
###Simple If Statement
sales = float(input("Enter sales: "))
if sales >= 50000:
    print("You made your quota!!!")
else:
    print("You not made your qouta...")
```

```
You not made your qouta...
```

```python
###Sequential If Statement
target = 7
guess = float(input("Enter number: "))
if guess==target:
    print("HaHa - you pick up the bill")
if guess!=target:
    print("I hope you enjoyed your dinner and drinks")
print("Good Day")
```

```
I hope you enjoyed your dinner and drinks
Good Day
```

```python
# Slide 10

# Declare and read variables
a = 1
b = 2
c = 3

# Begin nested conditions
if a > b:
    if a > c:
        print("Largest is a:", a)
    else:
        print("Largest is c:", c)
else:
    if b > c:
        print("Largest is b:", b)
    else:
        print("Largest is c:", c)
```

```
Largest is c: 3
```

```python
###Nested if-else - Slide 15

minSalary = 30000
```

```
minYears = 2
salary = float(input("Enter salary: "))
yearsOnJob = float(input("Enter years on job: "))

if salary >= minSalary:
    if yearsOnJob >= 2:
        print("You qualify for the loan.")
    else:
        print("You need at least two years on the job to qualify.")
else: print("You need a salary of at least $30,000 to qualify.")
```

You need a salary of at least $30,000 to qualify.

if else elif Practise

```
sales = float(input("Enter sales: "))
if sales >= 50000:
    print("You get the big bonus!!!")
elif sales >=30000:
    print("You made your quota!!!")
else:
    print("You are fired!!!")
```

You are fired!!!

Excercise 2 - Slide 20

```
a1 = input("Are you a minnesota residence: ")
a1 = a1.lower()

if (a1!='yes'):
    print("Sorry can't be offered a loan...")
else:
    crd_score = float(input("Enter your credit score: "))
    if (crd_score>=700):
        print("The max loan offered is $10000")
    elif (600<crd_score<700):
        print("The max loan offered is $500")
    else:
        print("Sorry, there can be no loan offered at this point")
```

The max loan offered is $500

Excercise 3 - Slide 23

```
assets = float(input("Enter the value of Current Assets: "))
cash = float(input("Enter the Cash Balance: "))

cash_percentage = (cash/assets)*100
```

```python
if (10<= cash_percentage <= 15):
    print("The Cash Balance is on target and is: {:.2f}
%".format(cash_percentage))
else:
    print("The Cash Balance is off target and is: {:.2f}
%".format(cash_percentage))

The Cash Balance is off target and is: 5.00%
```

Excercise 4 - Slide 26

```python
gmat = float(input("Enter your GMAT Score: "))
CPA = input("Are you a CPA: 'Yes' or 'No'? ")
CPA = CPA.lower()

if (CPA == 'yes' or gmat>=700):
    print("Congratulations, you are Automatically Admit :)")
elif(CPA == 'no' and 600<=gmat):
    print("You are Conditional Admit :)")
else:
    print("Sorry, you have been Rejected Admission...")

You are Conditional Admit :)
```