

In [82]: #1. Rewrite your pay program from Lab 3 question 7 using try and except so that your p
 #non-numeric input gracefully by printing a message and exiting the program. The foll
 #executions of the program:
 #Sample output1:
 #Enter Hours: 20
 #Enter Rate: nine
 #Error, please enter numeric input
 #Sample output1:
 #Enter Hours: forty
 #Error, please enter numeric input

```

flagInputError = False
try:
    hr = int(input("Enter how many hours you worked: "))
    rate = float(input("Enter how much money you make hourly: "))
except:
    flagInputError = True
    print("must enter numeric input")

if(flagInputError == False):
    grossPay = hr * rate
    if hr > 40 :
        grossPay = grossPay + 50
    print("After working",hr,"hours you will make",grossPay,"dollars with overtime")
    else:
        print("After working",hr,"hours you will make",grossPay,"dollars")

```

Enter how many hours you worked: 55
 Enter how much money you make hourly: 88
 After working 55 hours you will make 4890.0 dollars with overtime included

In [81]: #2. (Use only else if ladder and try/except) Write a program to prompt for a score bet
 #the score is out of range, print an error message. If the score is between 0.0 and 1.
 #following table: Sample output1:

Score	Grade
#>= 0.9	A
#>= 0.8	B
#>= 0.7	C
#>= 0.6	D
#< 0.6	F

#Enter score: 0.95
 #A
 #Enter score: perfect
 #Bad score
 #Enter score: 10.0
 #Bad score
 #Enter score: 0.75
 #C
 #Enter score: 0.5
 #F
 #Run the program repeatedly as shown above to test the various different values for in

```

flagInputError = False
try:
    score = float(input("enter your number here: "))
except:
    flagInputError = True

```

```

if(flagInputError == False):

    if score > 1 or score < 0:
        print("Bad Score")
    elif score >= 0.9 :
        print("A")
    elif score >= 0.8 :
        print("B")
    elif score >= 0.7 :
        print("C")
    elif score >= 0.6 :
        print("D")
    elif score < 0.6 :
        print("F")
else:
    print("must use numeric input")

```

enter your number here: perfect
must use numeric input

In [47]: *#3. Write a Log-in program. Ask the user for their username, and then ask the user for
#password. If their username/password combination is correct, then tell them it was co
#Otherwise, tell them their password was incorrect.
#a. If their username is "john", then the correct password is "blueberry"
#b. If their username is "lisa", then the correct password is "orange"*

```

userName = input("enter username")
password = input("enter password")

if(userName == "john" and password == "blueberry"):
    print("correct")
elif(userName == "lisa" and password == "orange"):
    print("correct")
else:
    print("incorrect information")

```

enter usernamejohn
enter passwordblueberry
correct

In [67]: *#4. Write a calculator. Ask the user for numbers A and B, and then ask the user what c
#want to perform. Print the result.
#a. If the operation is "add", then print A + B
#b. If the operation is "sub", then print A - B
#c. If the operation is "mul", then print A * B
#d. If the operation is "div", then print A / B
#e. If the operation is "Mod", then print A % B
#f. If the operation is "Intdiv", then print A // B
#g. If the operation is "pow", then print A ** B*

```

print("Capable operations consist of add(+), sub(-), mul(*), div(/), mod(%), intdiv(//

try:
    A = float(input("Enter value for A "))
    B = float(input("Enter value for B "))
except:
    print("input a numeric value")
opp = str(input("Enter your operation as a string "))
if(opp == "add"):
    print(A + B)

```

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if(opp == "sub"):
    print(A - B)
if(opp == "mul"):
    print(A * B)
if(opp == "div"):
    print(A / B)
if(opp == "mod"):
    print(A % B)
if(opp == "intdiv"):
    print(A // B)
if(opp == "pow"):
    print(A ** B)
```

Capable operations consist of add(+), sub(-), mul(*), div(/), mod(%), intdiv("//), and pow(**)

Enter value for A 57398457375984

Enter value for B 3485979348579384573847

Enter your operation as a string add

3.485979405977842e+21

In []: