SathishKumar_Rajendiran_Functions_Lab_Problem_3

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Objective: Working with functions **

```
[3]: print('Problem 1: validatte function output\n')
     # Problem 1
     # What will the followingPython program print out?
     def fred(): print("Zapped")
     def jane(): print("ABCdef")
     jane()
     fred()

     jane()

     print('jane')
     print('\n correct answer is option d)')
```

```
Problem 1: validatte function output

ABCdef
Zapped
ABCdef
jane

 correct answer is option d)
```

Rewrite your pay computation with time-and-a-half for overtime and create a function called computepay that takes two parameters (hours and rate) and returns Gross pay. Make sure to display your results with the label of Gross pay: (remember to format your gross pay in currency format). Call the function 2 or 3 times and enter different values (at least one with over 40 hours). Make sure you include some error checking to make sure they entered numeric data. Enter Hours: 45 Enter Rate: 10 Gross Pay: 475.0

```
[4]: #Create function to calculate Gross pay

     print('Problem 2: Function to calculate Gross pay\n')
```

```python
def computepay(hour,rate):
    try:
        hour = float(hour)
        rate = float(rate)
        pay = hour * rate

        if hour <= 40: # if hours are under standard billable hours
            print(' Gross pay:', pay)
        else: # if hours are beyond standard billable hours
            print(' Gross pay:', pay + (hour-40)*rate/2)
    except ValueError:
        print(' \n bad value \n')

computepay(40,10)
computepay(50,10)
computepay(45,10)
computepay(25,10)
computepay('sathish',10)
computepay(39,10)
computepay(49,10)
```

Problem 2: Function to calculate Gross pay

```
 Gross pay: 400.0
 Gross pay: 550.0
 Gross pay: 475.0
 Gross pay: 250.0

 bad value

 Gross pay: 390.0
 Gross pay: 535.0
```

[ ]: