**Problem 1:**

What will the following Python program print out?

def fred():

print("Zapped")

def jane():

print("ABCdef")

jane()

fred()

jane()

print(“jane”)

a) Zapped ABCdef jane fred jane

b) Zapped ABCdef Zapped

c) ABCdef Zapped jane ABCdef

**d) ABCdef Zapped ABCdef jane**

RESPONSE: **D: ABCdef Zapped ABCdef Jane**

However, they are on separate lines.

**Problem 2:**

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

**Code (also in included python program):**

﻿# Problem 2

# Compute Pay

def computepay(rate, hours):

if not (isinstance(rate, str) or isinstance(hours, str)):

if int(hours) or int(rate) or float(hours) or float(rate):

if float(hours) > 40:

grosspay = 40\*(float(rate)) + (float(hours)-40)\*(1.5\*float(rate))

else:

grosspay = float(hours)\*float(rate)

return grosspay

else:

print("Invalid inputs.")

computepay(40, 10)

computepay(45, 15)

computepay(41.23, 11)

computepay('six', 12.50)

**Output:**

﻿computepay(40, 10)

Out[26]: 400.0

computepay(45,15)

Out[27]: 675.0

computepay(41.23, 11)

Out[28]: 453.53

computepay('six', 12.50)

Invalid inputs.