# Week 4.2 – Functions Activity

**Exercise 1**

What will the following Python program print out? def fred():

print "Zap" def jane():

print "ABC" jane()

fred()

jane()

1. *Zap ABC jane fred jane*
2. *Zap ABC Zap*
3. *ABC Zap jane*
4. *ABC Zap ABC*
5. *Zap Zap Zap*

Explain your answer:

It actually prints out an ERROR:

print "Zap"

^

SyntaxError: Missing parentheses in call to 'print'. Did you mean print("Zap")?

When that is fixed (so that functions are using proper syntax):

**d) ABC**

**Zap**

**ABC**

However, it prints them each on one line, not next to each other on a single line.

# Exercise 2

Rewrite the pay computation program that you created in Week 2 with time-and-a- half for overtime and create a function called computepay that takes two parameters (hours and rate).

Enter Hours: 45

Enter Rate: 20

Pay: 950.0

CODE:

def computepay(hours, rate):

if float(hours) > 40:

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

else:

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

print("Pay: $" + str(pay))

# run function

hours = input("Enter Hours: ")

rate = input("Enter Rate: ")

computepay(hours, rate)

OUTPUT:

Enter Hours: 45

Enter Rate: 20

Pay: $950.0

**Please put your answers into one text file for submission. Submit the answer to Exercise 1, and for Exercise 2 submit your code and the results you got from running your program.**