

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()
```

a) Zap ABC jane fred jane

b) Zap ABC Zap

c) ABC Zap jane

d) ABC Zap ABC CORRECT ANSWER

e) Zap Zap Zap

Explain your answer:

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

```
#This program gets info from user and calculates pay
```

```
#gets the hours and rate
```

```
hours=input('Enter Hours: ')
```

```
45
```

```
rate=input('Enter Rate: ')
```

```
20
```

```
#define function computepay
```

```
def computepay()
```

```
    reghours = 40
```

```
    ovhours = int(hours) - 40
```

```
    repay = 40 * float(rate)
```

```
    ovpay=int(ovhours) * float(rate) * 1.5
```

```
    totalpay = repay + ovpay
```

```
    print('Total Pay: ', totalpay)
```

```
computepay()
```

Total Pay: 950