

Quiz 10 B

1.

```
def updateFrequencies(D, L):
    # Iterate through the list of "new" words
    for word in L:
        # If it is in the dictionary, increment by 1
        if word in D:
            D[word] += 1
        # Else add to the dictionary
        else:
            D[word] = 1
```

2.

```
def fibo(n):
    print n
    if n == 1:
        return 1
    if n == 2:
        return 1
    if n % 2 == 0:
        return fibo(n-2) + fibo(n-1)
    else:
        return fibo(n-1) + fibo(n-2)

# Main program
x = fibo(5)
print "The 5th Fibonacci number is", x
```

5
4
2
3
2
1
3
2
1

The 5th Fibonacci number is 5