Python Data Structures

1. What is the error
```
name = 'Dave'
   dogs = 0
print('My name is', name, 'and I own', dogs, 'dogs.')
```

2. Print the same statement now using the .format() method

3. Define variables that correspond to the exchange rate of at least 4 currencies
ie USD to EUR or GBP to EUR

4. Write a code that takes a currency and returns the value of another currency

5. Write a for loop for printing both values of the currency and the name of the currency

6. Truncate the values to 4 decimals

7. Append more exchange rates to the original list

8. Write the same for loop with the new vales, now in reverse

9 .What is the difference?

10. Run the code and fix the error
```
word = 'ice pellets'
for i in range(len(word)):
   print(word(i))
```

11. Run the code and fix the error
```
weather = 'Rain'
 if weather = 'Rain':
   ...:     print('Wear a raincoat')
   ...: else:
   ...:     print('No raincoat needed')
```

12. Run the code and fix the error
```
if (1 > 0) and (-1 > 0):
   ...:     print('Both parts are true')
   ...: elif:
   ...:     print('One part is not true')
```

13. Make the exchange rate conversion a function