✔ **Congratulations! You passed!**

Grade received 100%   **To pass** 80% or higher
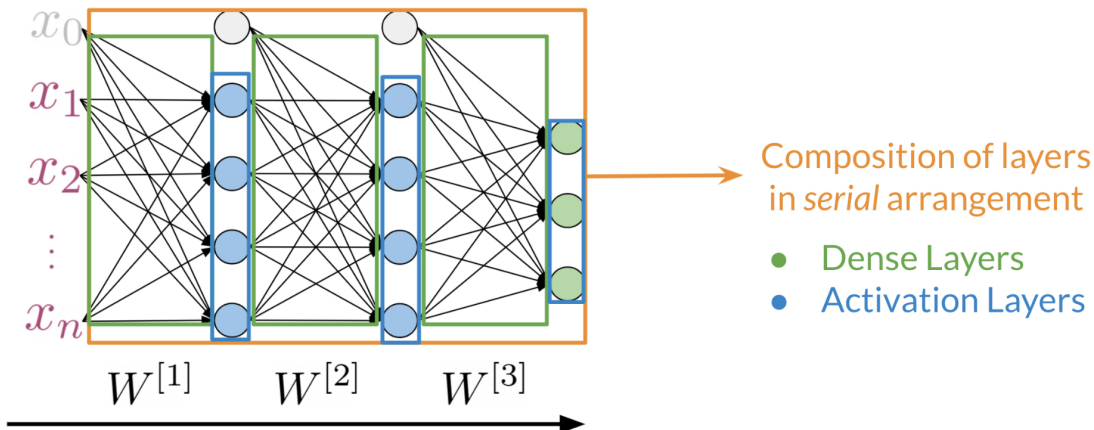
Neural Networks for Sentiment Analysis

Total points 5

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1. How many layers does the following neural network have?

1 / 1 point

Composition of layers
in *serial* arrangement

- Dense Layers
- Activation Layers

○ 1

○ 2

◉ 3

○ 4

✔ **Correct**
Correct.

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2. Let us analyze the following class:

1 / 1 point

```python
class MyClass(object):
    def __init__(self, y):
        self.y = y
    def my_method(self,x):
        return x + self.y
    def __call__(self, x):
        return self.my_method(x)
```

```python
f = MyClass(12)

print(f(2))
```

What would be the output above?

◉ 14

○ Null

○ 12

○ 2

3. The ReLU layer, is an activation layer that typically follows a dense fully connected layer, and transforms all values between 0 and 1 before sending them on to the next layer.

1 / 1 point

● False

○ True

4. The ReLU layer is an activation layer that typically follows a dense fully connected layer, and transforms any negative values to 0 before sending them on to the next layer.

1 / 1 point

● True

○ False

5. For the embedding layer in your model, you'd have to learn a matrix of weights of what size?

1 / 1 point

○ Equal to the dimension of the embedding times the first dimension of the matrix in the first layer.

○ Equal to your vocabulary times the dimension of the number of classes

○ Equal to your vocabulary times the dimension of the number of layers

● Equal to your vocabulary times the dimension of the embedding