## Write recursive evaluate method

```
first...
```

```
Read over the init method for class BTNode:
class BinaryTree:
    A Binary Tree, i.e. arity 2.
    def __init__(self, value, left=None, right=None):
        Create BinaryTree self with value and children left and right.
        @param BinaryTree self: this binary tree
        Oparam object value: value of this node
        @param BinaryTree|None left: left child
        @param BinaryTree|None right: right child
        @rtype: None
        self.value, self.left, self.right = value, left, right
next...
Now, read the header and docstring for the function evaluate, and then answer the questions that follow it.
def evaluate(b):
    11 11 11
    Evaluate the expression rooted at b. If b is a leaf,
    return its float value. Otherwise, evaluate b.left and
    b.right and combine them with b.value.
    Assume: -- b is a non-empty binary tree
             -- interior nodes contain value in {"+", "-", "*", "/"}
             -- interior nodes always have two children
             -- leaves contain float value
     @param BinaryTree b: binary tree representing arithmetic expression
     Ortype: float
    >>> b = BinaryTree(3.0)
    >>> evaluate(b)
    >>> b = BinaryTree("*", BinaryTree(3.0), BinaryTree(4.0))
    >>> evaluate(b)
    12.0
    11 11 11
```

1. One of the examples in evaluate docstring is simple enough not to require recursion (a base case). Write an if... expression that checks for this case, and then returns the correct thing. Include an else... for when the tree is less easy to deal with.

2.	Another docstring value for this case and evaluates it.	examples is a typical . <b>Hint</b> : it may be help	one which can benefi ful to use the built-in	t from recursion. Wis eval function, which	rite code that return takes a string Pyth	ns the correct on expression
Now	implement the bod	у of <b>evaluate</b>				