1. **Function Design Recipe**

Following the Function Design Recipe, write a function that satisfies this description:

This function returns a string containing a given word repeated a given number of times. For example, someone should be able to call the function to repeat "Marcia " three times and the function should return "Marcia Marcia Marcia ", or call the function to repeat "Buffalo " eight times and have it return "Buffalo Buffalo Buffalo Buffalo Buffalo Buffalo Buffalo Buffalo ".

**Examples**

**Header**

**Description**

**Body**

**Test**
2. Function Design Recipe: Type Contract and Description

Consider this code:

```python
def number_of_cents(change: ) -> :
    ""
    >>> number_of_cents(1.25)
    25
    >>> number_of_cents(20.00)
    0
    ""

dollar_remainder = change % 1
cents = dollar_remainder * 100
return round(cents)
```

(a) Add the missing *Type Contract* (parameter and return types) to the function **Header**.

(b) The description of this function is poor:
The number of pennies left when you take away all the dollars from an amount of money.

In the space provided in the docstring, write a better function description.

3. Function Design Recipe

Following the Function Design Recipe, write the following function.

<table>
<thead>
<tr>
<th>Function name: (parameter types) → return type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>calculate_tax: (float, float) → float</td>
<td>The first parameter represents a bill and the second represents a tax rate (a number between 0.0 and 1.0 inclusive). Return the amount of tax to be paid on this bill.</td>
</tr>
</tbody>
</table>