

Write a Python function to calculate positional encodings.

$$\mathbf{PE}(\mathbf{p}, 2i) = \sin\left(\frac{\mathbf{p}}{10000^{\frac{2i}{d}}}\right) \quad \mathbf{PE}(\mathbf{p}, 2i + 1) = \cos\left(\frac{\mathbf{p}}{10000^{\frac{2i}{d}}}\right)$$

```
def positional_encoding(L, d):  
    # L: sequence_length  
    # d: embedding_dimensions  
    # return: positional_encoding[L, d]
```