

Write a function that takes a prior, likelihood, and evidence as input and returns the posterior probability according to Bayes' Theorem.

Code:

```
def calculate_posterior(prior, likelihood, evidence):  
    """  
    Calculate the posterior probability using Bayes' Theorem.  
  
    Args:  
    prior (float): Prior probability.  
    likelihood (float): Likelihood of the evidence given the hypothesis.  
    evidence (float): Probability of the evidence.  
  
    Returns:  
    float: Posterior probability.  
    """  
    # Calculate the numerator of Bayes' Theorem  
    numerator = likelihood * prior  
  
    # Calculate the denominator of Bayes' Theorem  
    denominator = evidence  
  
    # Calculate the posterior probability  
    posterior = numerator / denominator  
  
    return posterior  
  
prior = 0.3  
likelihood = 0.8  
evidence = 0.6  
  
posterior = calculate_posterior(prior, likelihood, evidence)  
print("Posterior Probability:", posterior)
```

Output:

```
Posterior Probability: 0.4
```