

# Coding Question and Sample Response

## Question:

Write a Python function `is_palindrome(s: str) -> bool` that determines whether a given string is a palindrome. A palindrome is a string that reads the same forwards and backwards, ignoring spaces, punctuation, and capitalization.

## Sample Response:

```
def is_palindrome(s: str) -> bool:
    # Remove non-alphanumeric characters and convert to lowercase
    cleaned = ''.join(ch.lower() for ch in s if ch.isalnum())
    # Check if cleaned string equals its reverse
    return cleaned == cleaned[::-1]

# Example usage:
print(is_palindrome("A man a plan a canal Panama")) # True
print(is_palindrome("Hello")) # False
```