Demo Color =To know the reason

1. **df = pd.read\_csv('spam.csv', encoding='latin1')**

**Error Reason:**

The UnicodeDecodeError typically occurs when Python tries to interpret a sequence of bytes as a string using a specific encoding (such as UTF-8), but encounters bytes that are not valid for that encoding.

Here's what likely happened in your case:

1. When you attempted to read the CSV file using pandas' **read\_csv()** function, pandas internally attempted to decode the bytes in the file using the UTF-8 encoding by default.
2. However, some bytes in the file were not valid UTF-8 characters, causing the decoder to raise a UnicodeDecodeError.

**Solution:**

* **pd.read\_csv('spam.csv')** reads the CSV file named 'spam.csv' using the default UTF-8 encoding, which can cause a UnicodeDecodeError if the file contains characters not supported by UTF-8.
* **encoding='latin1'** specifies the 'latin1' encoding to be used when decoding the bytes from the file. This encoding is more tolerant of a wider range of characters and is often used as a fallback when UTF-8 fails.