NOT SO ML

The solution involves modifying the existing algorithm to address the issue of inaccurate label output in a straightforward manner. The approach revolves around evaluating sentence similarity by comparing them with dataset samples. The main challenge arises when the label column comes into play, where incorrect labels are displayed when the code is executed. It's observed that these labels are represented by numerical values that correspond to ASCII codes.

To rectify this, the algorithm requires adjustments primarily in the cosine similarity calculation. Specifically, the loop preceding the similarity calculation should be removed, and the calculation itself should be modified to utilize the cosine similarity formula without the conditional adjustment:

```
similarity = (dot_product) / (magnitude_sample * magnitude_sentence)
```

Following this modification, the output numerical values need to be mapped to their respective ASCII characters to obtain the correct Flag.

In summary, the steps to be undertaken involve:

1. Eliminating the preceding loop.

```
a. if dot_product == 0:
b.         dot_product=1
```

2. Updating the cosine similarity equation as specified.
3. Mapping the numerical output to ASCII characters to derive the correct labels.