Sten: RAPTOR - even better to kylits
Steps: 1) Make print of analobse churches using Goine aintarity and use LLM+2 simuring them and form a church
on their ann, barrially make a bottom up tree.
2) Squit the extire tree into I layor cotaining all the nodes
Cosice Similarity
multi-gueries
3) the come similarity to get the top-k nudes for outs multi-queries with hopefully better cartest than the hocks we had before RAPTUR.
Note: Ensure generated nodes during the frontion maistain the church's character limit.
The above RAP TOP method is used after christing. RAPTOR input nodes global churlers GMM+UMAP local chighers by
parformed on Summaries and query to deide which charters tree. To becomes in order to some time

The optimal number of clusters for the process are chosen wring the BIC algorithm.

To calculate clintons a threshold is used and the responsibilities are entracted from by using GMM, using which soft clustering is performed.

Next, we get the summois of all the clusters and perform where similarity search with over quotions, this is done to that we don't end up bring all the nodes to make the tree, resulting in very high computation costs.

After we select the cluster we form the bottom-up kee, flather all summaries obtained into I list (allopsed kee) and perform eniderity sewach to obtain the k-best nodes.

In the end the top & nodes are passed on to the LLM along with the question and the answer is obtained, here beinging an end to the process.