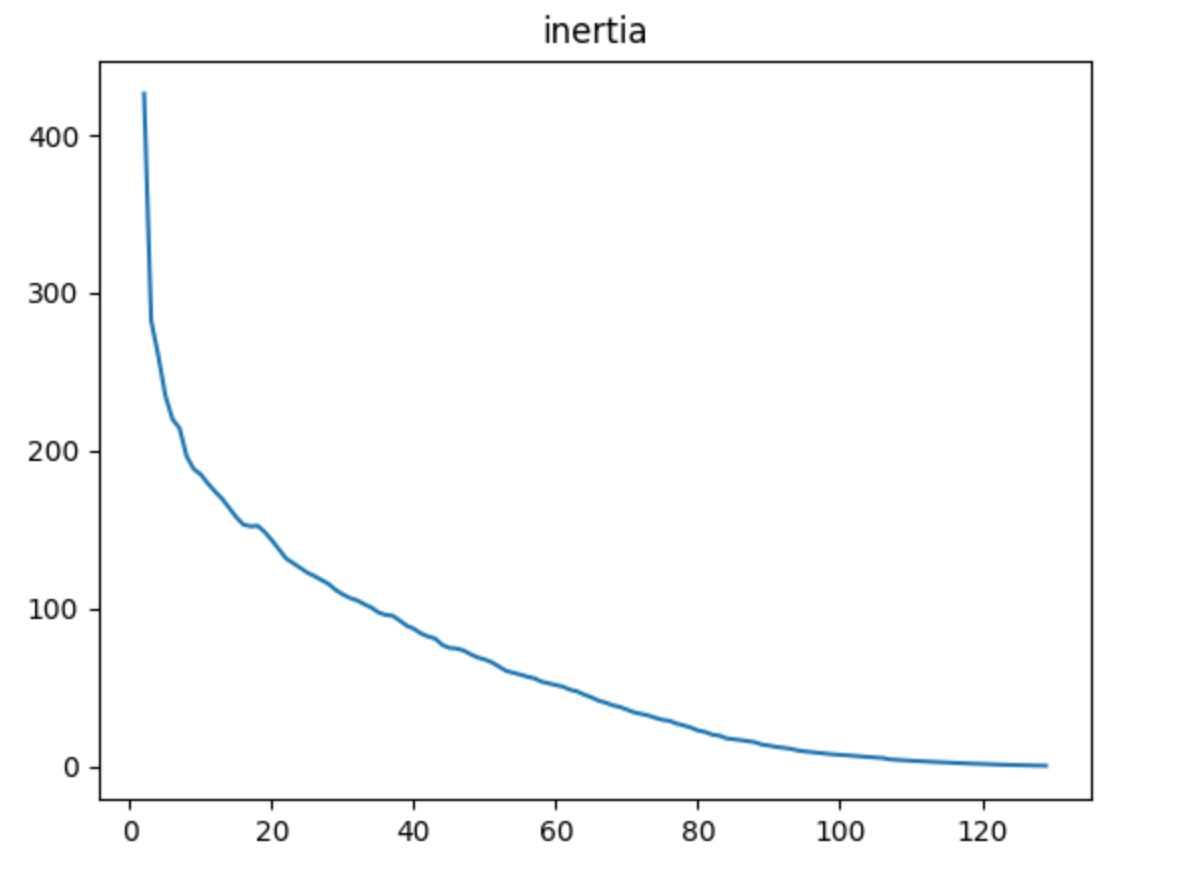
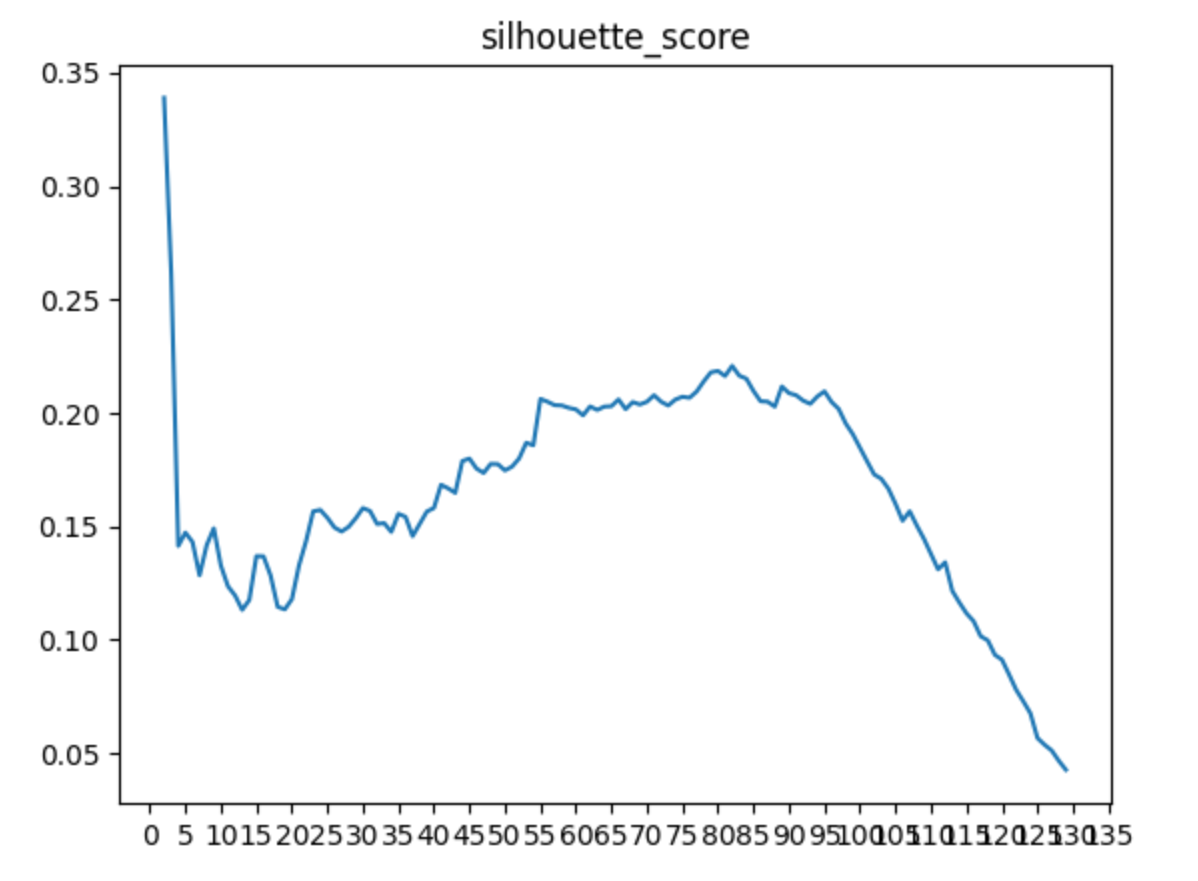
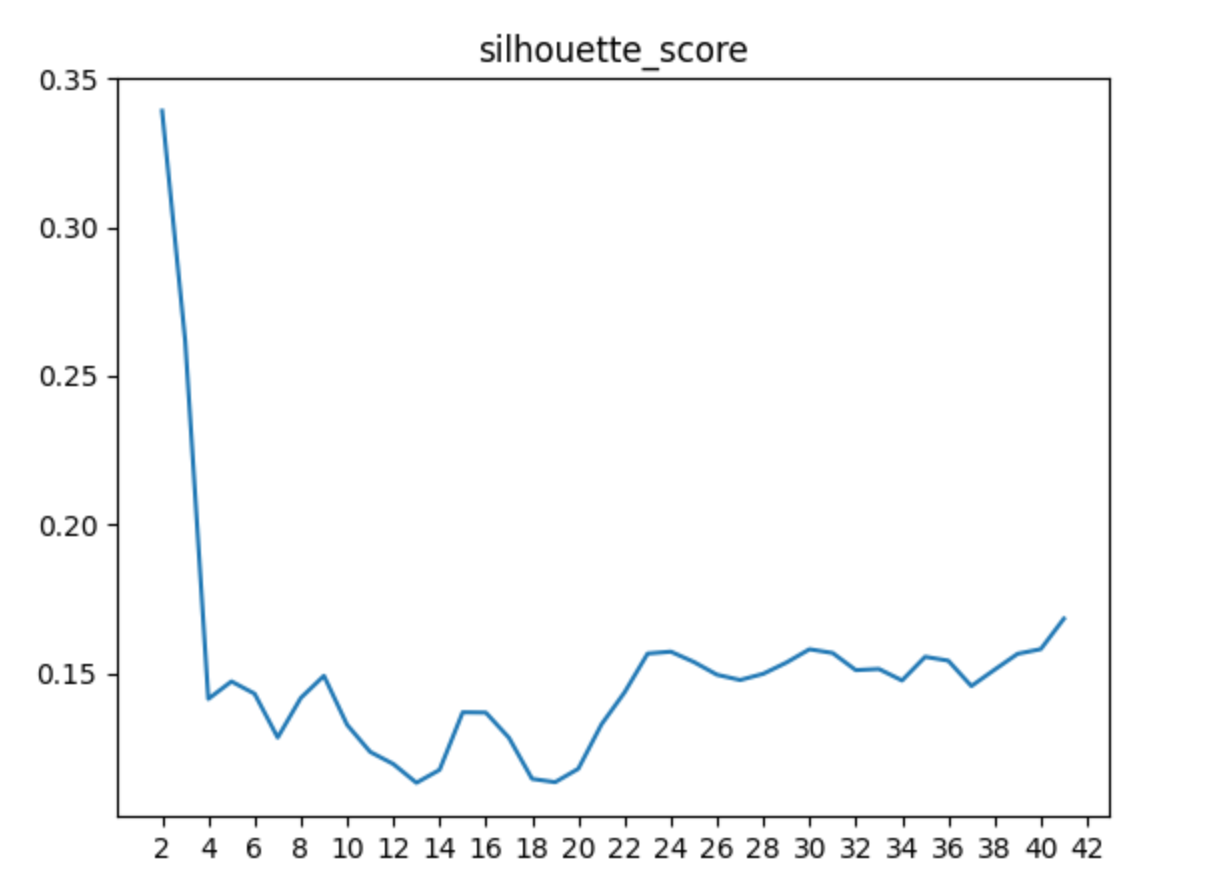
**Elbow method**





So, I choose k=9