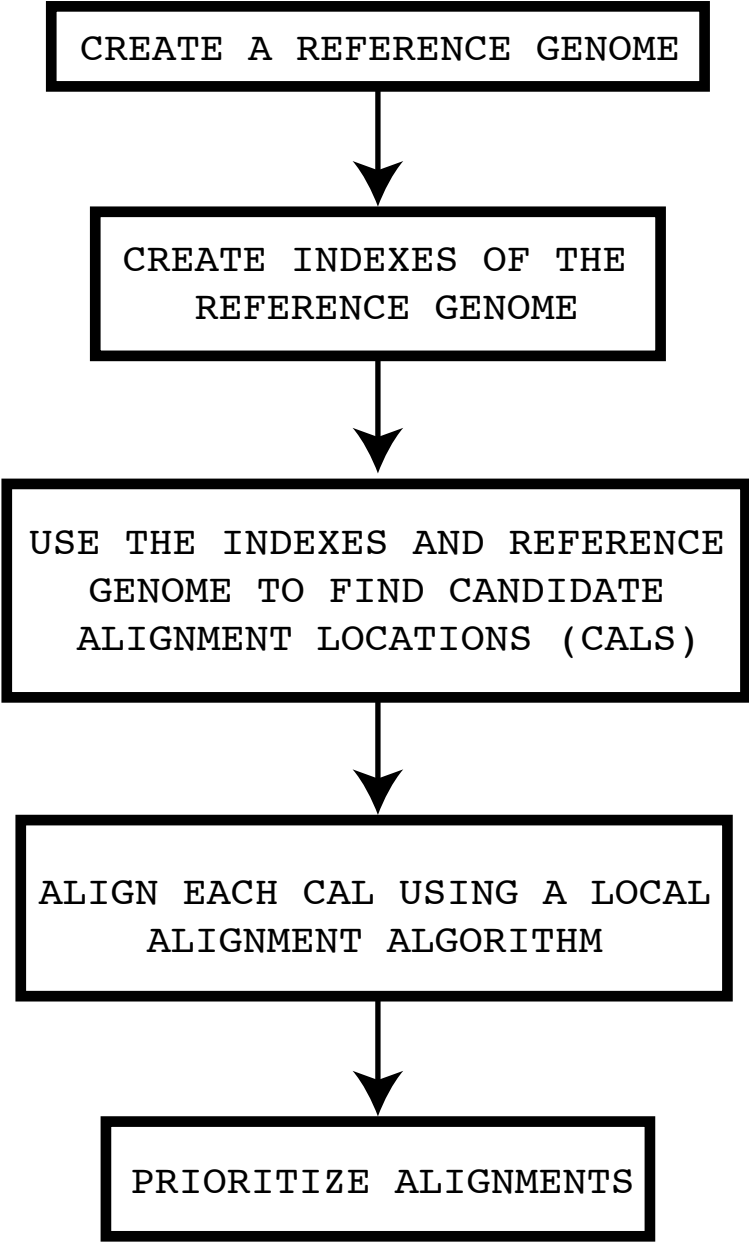


CREATE A REFERENCE GENOME



```
graph TD; A[CREATE A REFERENCE GENOME] --> B[CREATE INDEXES OF THE REFERENCE GENOME]; B --> C[USE THE INDEXES AND REFERENCE GENOME TO FIND CANDIDATE ALIGNMENT LOCATIONS (CALS)]; C --> D[ALIGN EACH CAL USING A LOCAL ALIGNMENT ALGORITHM]; D --> E[PRIORITIZE ALIGNMENTS];
```

CREATE INDEXES OF THE
REFERENCE GENOME

USE THE INDEXES AND REFERENCE
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ALIGNMENT LOCATIONS (CALS)

ALIGN EACH CAL USING A LOCAL
ALIGNMENT ALGORITHM

PRIORITIZE ALIGNMENTS