```mermaid
flowchart TD
    A[Collect the sample of repositories from the GitHub REST API and store them in the database] --> B[Retrieve the repositories from the database and use the GitHub REST API to get the contents of the repository]
    B --> C[Detect the tools used in the repositories and store the information in the database]
    C --> D[Retrieve the repositories where CI/CD tools where detected from the database and using the GItHub REST API retrieve snapshots from previous years]
    D --> E[Analyse the snapshots and store the information in the database]
```

Collect the sample of repositories from the GitHub REST API and store them in the database

Retrieve the repositories from the database and use the GitHub REST API to get the contents of the repository

Detect the tools used in the repositories and store the information in the database

Retrieve the repositories where CI/CD tools where detected from the database and using the GItHub REST API retrieve snapshots from previous years

Analyse the snapshots and store the information in the database