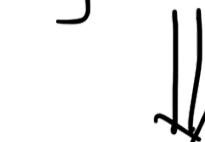
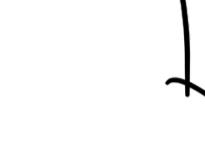


② access log

httpd.conf \Rightarrow log Format



custom-log.sh \Rightarrow write headers for first time,
program to convert logs from
server to csv file



access-log.csv

③ combining access-log.csv (and) bot-detections.csv

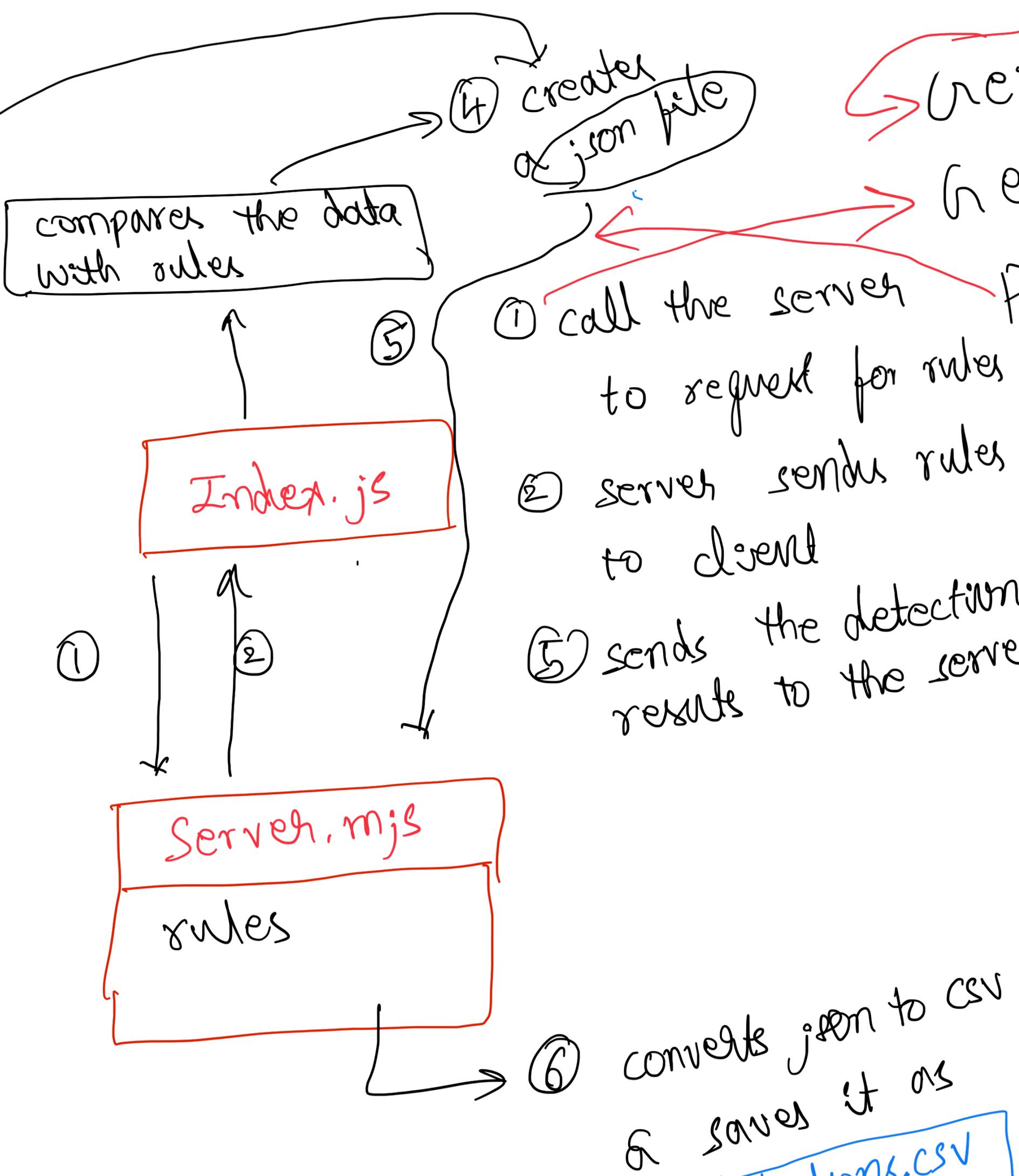
combine-logs.py

\Rightarrow when there is a "POST /botdetected.json"
in the "request" header of access-log.csv,
the program compares the time stamps
of both csv files

\Rightarrow if time difference in b/w 2-25 sec,
then data from both CSV files will be
written in a single row.

only the
data from
access-log.csv will
be written into
Combined-log.csv

① Bot detections



botd.csv/research.m

Get / HTTP/1.1

Get /index.js HTTP/1.1

Get /api/rules HTTP/1.1

POST /botdetected.json

HTTP/1.1

Index.html - when accessed

Index.js

Server.mjs

20 rules in one fn

Serves rules - (combined_rules.json)-fn

\rightarrow gets response from client (index.js)

\rightarrow saves the data into csv file

C bot-detections.csv

converts json to csv
& saves it as

bot-detections.csv