Advanced Node is Cheat Sheet Asynchicanous Programming Async punction myfunction () { 1- Promises and Agyne/Await Promises: Const my Promise = new Promise ((resolve, reject)) Const result = awaitsome Asynctuneling => & 1/ As yneluonous operation (); 3 catch (evron) & if (success) { resolve (result) 3 2. Callbacks Junctions async Operation (all back) else & réject (evou); 33); E settimeout ()= ¿ ¿ my fromise. then (result => { Callback (mll, ' result'); 11 handle success 3). Catch 3,1000). Cerrore ? Elhandle crevor asyncoporation ((every result) >> { if (ervon) { } else { Pergormance Optimisation 1. Clustering cluster.on ('enit', (worder, code . Letilize multiple CPU Colors with cluster module. signal)=> { Const cluster = require ('cluster'); Const help = requere ('http'); Conside log/ Worker & worker. process. pid died); 3); Const num CPUs = require ('03'). Cups () length; 3 else & if (Cluster. is Master) & ht tp. create Server ((regores)=) { for (let i= 0; i < numblus; i++) { res contetead (200); Cluster foul (); nes. and ('hello wouldly'); 3), listen (8000), 2. Stream Processing Usestream for officient data processing: Constr's = sequire ('fs'); Const readstream = fs. create Readstram (large file. + set'); Const won'testream = fs. create Wnitestream ('output.trit'); reads tream. pripe (write Stream);

2. Integration tolog with Supertest (const rea = require (supertest) Security Best Bractions (1) Secure Dependencies use took Const app = regular (1./opp'); like npm audit and snyk to check for vulnerabilities?

non audit

torsnyk test. describe (GET/ fination) [it ('rusponds with json' Junction (dese) { @ Environment Variables · Set ('Accept', application'), sen) Avoid hardedy sensitive internation require ('Leteny'). Cenfy !! · expect (Contat - Tye, /son) : exp. of (200, day); 3 Holmat PAG WORD. Debugging with Note trapeders use bolnet to sear, HTTP Leadors; Coast Let = regime ('Librat'). rode - inspet - bik=9229 Cent exp = reglier ('exp'). # Op en chreme ill, riget in Chreme Breuser DUSin Conole DUsing Console Testing app. un (Lelnet ()). Effection used consolerleg, casterer, 4 consoler trace Quittester with Mocha & Chair Consele. leg (Debugmessage'). Cerst chair = require (chair). Console. Over ('Eversms). Cerst expect = Uni. expect; Corsele. trace ('Trace sms') describe ('Array' function) & File System Operations it ('should that costs', Junton () { 1) Reading Files Asyn Chronowly Constavr = []. Const fs = require('fs'). exped (ov). t. ke. as l'orraj). ds. rudfile ('example tot') vots's

(ev) throw evo?

constaley (cota). that is empty. 2) Wisting Piles Regulationously

Const & = require ('Js');

(ensole · ly ('Jil Les');

3):

Miscellaneous Networking OUS, y buffors O Creating on HTTP Survey Corst Litte = regjuir ('htt'); Cent by = Biffin from Cerst's erver = http. oreste ('Los world' to String Chex') Server ((reg, Mes)=) { ses. Status (ede = 200; rus. Litheder ('Cott-typ', tith)) rus. end ('heller world'); (D) Child brocering Syawing a new process Sorver. testin (3000/127.00.11, 1)> Const (Spwan) = regjuire (end. by 150 m is ming at http:///27.0.0.1:3000/). ('dp'); Court le = spourn ('1s' [-1h', /u 1s-'stant (date) (tate) =) [Corde de (stoot \$ detas) (2) webSccbets with ws 1500 ('Chan' (cale) a) L Const Web Sochet = regin ('ws'). consteleg (dild procurse exited with code \$ Ecede 3). cont wss = new Weblecht Solof: 4080) Censol leg l'nem 1. Sjemi). 5), ws. sud ('senthy'),-