Court Zewille & Southers of Smarkson Advance Nade. J. S. Cheat Sheet : · Middleward functions are functions that have access to the order offer and Middleward: estiffs with ni notional would bin the bone values tocido designer with - ations siegual sepponse cycle. · Commonly in Expuss of of Mondy start plant of Messenger in forent plant of in the start of the common of the contract of the and owner handling ( C'acord xx) viupos sacrons tano :x3 Const app = express (); appear ((ougrown rext) > { 11 Bapic Middleson. ( Console Log ( time ! , Dod . now ()) Apprehenous de programming: · Promises supresents the serviced Completion (or failure) of an asynchronous nationego 1400 Apyre Await provides a way to work with promises in a more readable, synchronous like manny! Ex: Const forthada = anync () =) & Count neb = await fetch ("HABD: | abi example com/gata"); to Const datas ARP. joon ) Catch (swor) { () ptoChata

Scanned with OKEN Scanner

31 Streams :

· Streams handle reading / whiting data pure by press, expell for longe ober Typen: Readable, withather, Duplex, From form

Example :

Const to a sugaring (Ap);

Const auadable Stream = for creatistream ( file tyt);

Const writerble Stream of const wite stream ( file copy tx E1);

vieadable Stream pipe (watoblytream);

suadable Strom on (1end), (1=) &

Connole. log ( file Copied Sucapilly 13;3);

up Event-loop :

Event loop handles anynchronous Callback, allowing Mode in to pylorin non-blocking To operation.

Ex: Console log ('Start');

SetTimerant (()=) {

Convole lod ('Timeout');

Connole log ('End');

St Child Processes:

· Child Procusses inables the execution of Shell Command or other program of & child prouse modelly. -ma Node in Scripusing

Streams " Example - Court Speacon 3 = ordans (child process) Com do = spains c'do', ['th', 'lunsity) In . sidoud . on ('data') (data) o) & Convole. Log ('Sidoud: \$ Eddon's') 3); I ( Cokeb) (dolo) no mub 18. als Convole Jag ( stdam: \$ & datas), 3); Console lay c'Child prous existed with Oak Made )? Ip.on ('close', (code) 2) }

Ex Claston Module:

· Chaptering allows you to creat child processes that shows sever parts, improved forfermone on multicons existem.

Is Debugging And Protiling.

o Mode in more, - jubble of, Hard go grant graphadied and offerto graphin lik chrome Devlas or Volody.

Exe mody -imput appip.

· Profiling Tools: Use Jools like Mode's built in profiler , chinicis and ox for benformance profiling.

of the HALLY for mostly, Dota I Ensure data Validation to prevent Tijections. or Securely Sam seculo wang unvironment variable in benu file.