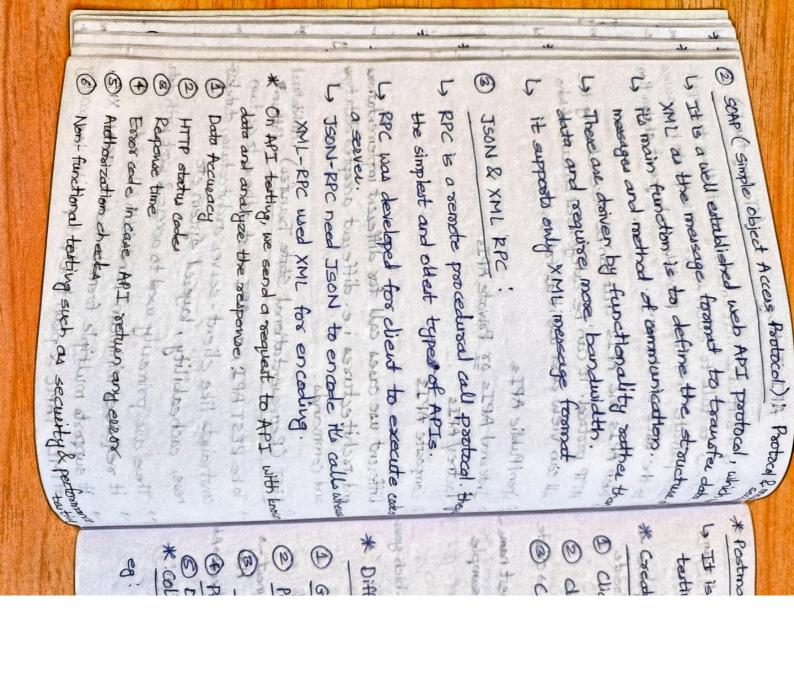
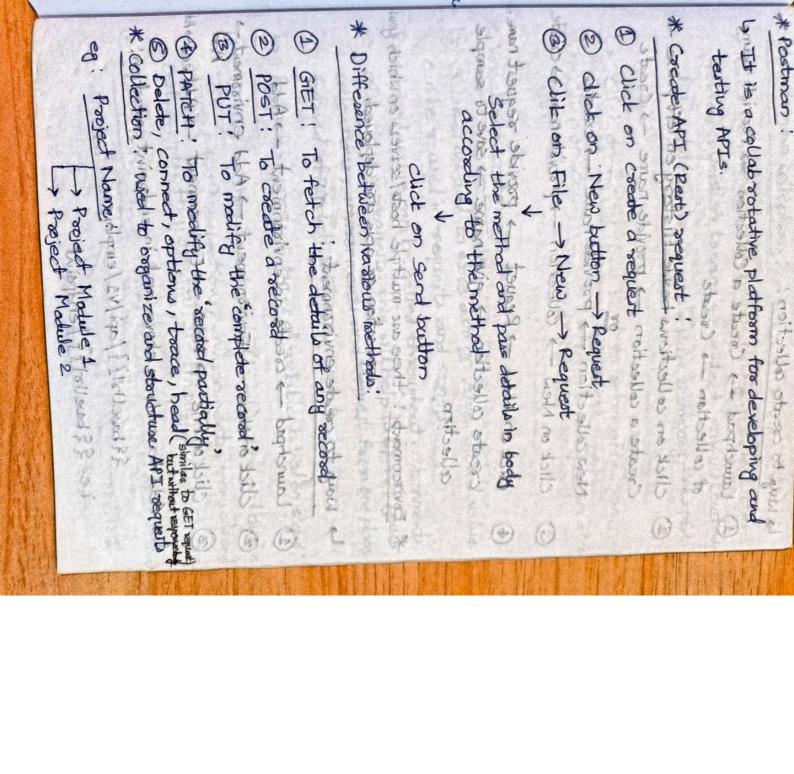
API Testing A + (Testing funda)

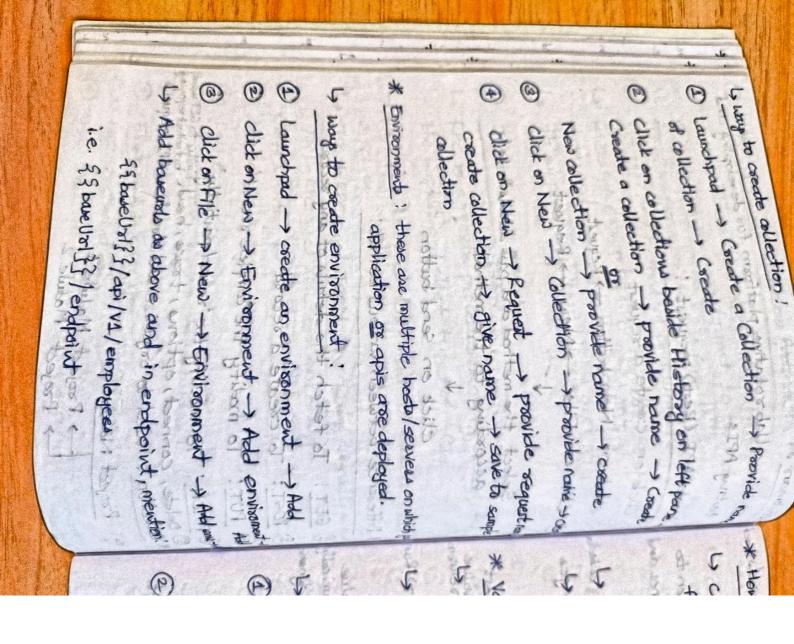
- 13 API is a software intermediary that allows two applications to talk to each other it helps to keep source code private and also provides a layer of abstraction to the wice of then API. Lotton how someon
- Ly Web APIs are APIs that can be occessed using the HTTP protocol. It can be categorized on basis of who all can view and use it as follows!
- 2 Internal APIS OF Private APIS
- Protection as leaves of stranger of STA
- The simposite APIS Leggest tubbo box tubequie att
- Ly Different use cases call for different implementations and architectures i.e. different accepted data type and commands.

 REST (Representational State Transfer). Pattern

 - -> To be REST API, an API must adhese to certain constraints like client-server architecture, statelessness, cacheability, layered system etc.
 - These are primarily used to access & work with data.
 - it requires minimum bandwidth & it is faster \rightarrow
 - it supports multiple formats such as JSON, XML, HTML, YAML & plain text but provides less security ->







* How to sun collection! I specificate the transmitted to

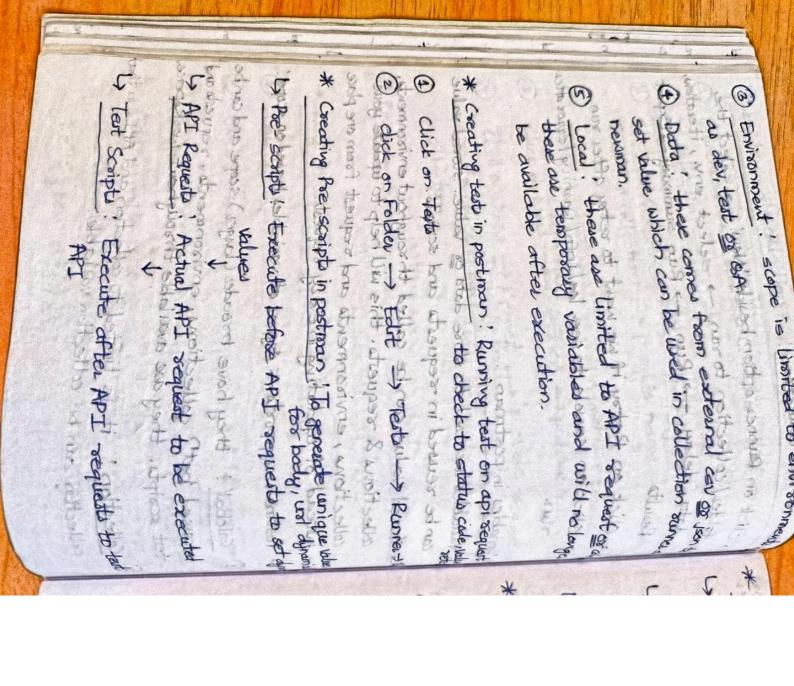
folder/collection to run -> select env., iteration, data, delay -> Run -> Run summony -> Export 4 click on Runner option beside 'New' -> select the Rout

by click on Rotay if we want to set as after xun. in available after executions as

altections & requests. this will help to update your * Variables in postman in worthing or that with some value. Stoned value can be sewed in requests and scripts. The souls a instead of updating in exect request. collections, envisonments and request from one place

les Postman supposto s types of variables based on scope:

- 1 Gollobal! they have broader (larger) scape and can be test scripts. they are available throughout workspace.
- (2) Collection! it is limited to collection and APIs in that collection can be collection variable.

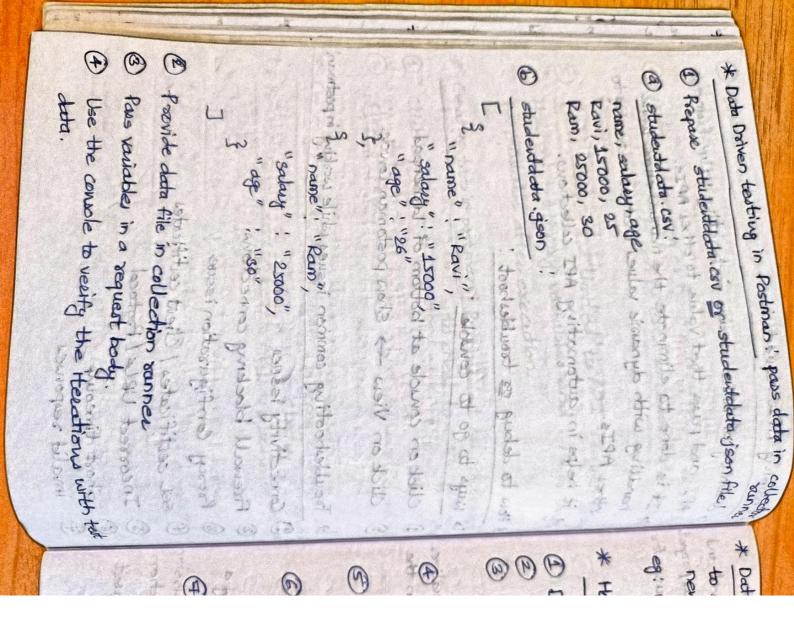


के हैं and Is It is done to eliminate the manual effort while 8 * Chaining API requests in private market that & ① click on console at bottom of latenchipad * How to debug as toubleshoot: is ways to go to course! " was " o scarce." 1) it helps in automating API collections. must is chaining of APIs means extracting value from one @ Finewall blacking connections 1 Connectivity issues "Doors" tunist I troubleshooting common issues while working in postman! (4) SEL certificates / Client certificates

(5) Incorrect URLs / Ractocal

(6) Short timeouta

(7) invalid responses @ Proory Configuration issue API and paus that value to other APIs Other APIS. handling with dynamic values that are refrestly to つから、かちかちかんは Esmi Tacco Se . 044



1 Download node is with nom * Data variable they come from extremal asv/Json * How to own collections from command line: equipment salary & ages a state of the contract to set value which can be used in collection runner and person to white transmitter . Here are a trade las The property parties show to postery attin testalor The Transfer of (G. Tacuca)

@ invotable node is

3 verify note installation Teams of the state of the state

Design promitted addition () the 195 illousiv of of cond -> node - vostas autorized estimated wet *

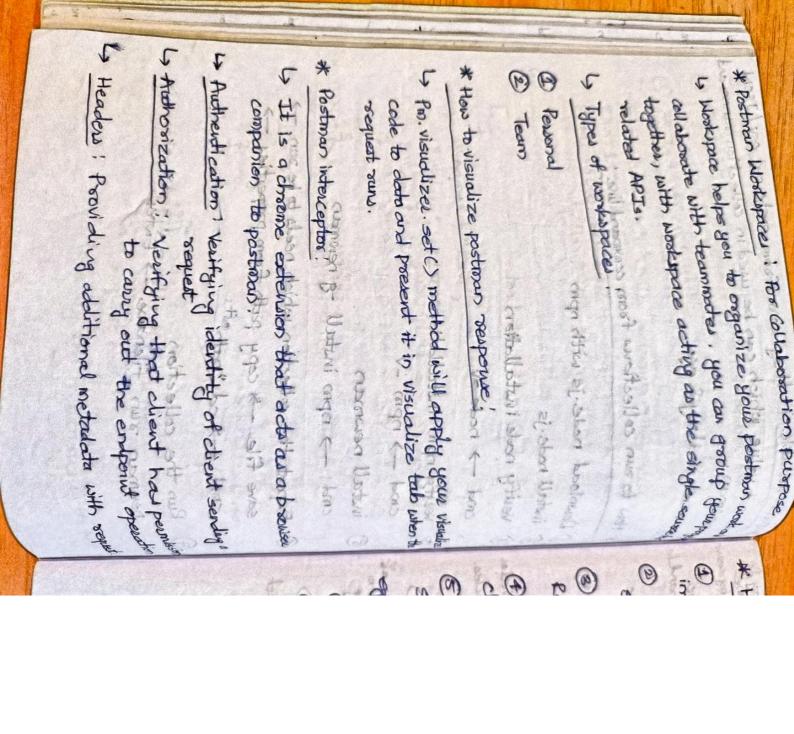
cod - mpm - v to brevers to wond at ekan sedirect sours.

(S) install neuman com -> open install - g regions on contract -

@ Expost the collection which needs to be sun ->

(a) Run the collection

Headers . George of Application of the property and a colonality newman sun filename -> thater



* HTTP status codes : to convey results of a client's request and 1 1 XX: -> Communicates transfer protocol-level polecy informational information. 883 @ 2xx: -> indicates that client's request was accepted success successfully. (8) 3 XX: -> indicates that client must take some Redirection additional action in order to complete request. -> it points the finger at clients. 4 4xx ! client Errors to benied predefined at source -> server takes responsibility for error 8 5XX! Server Essor (subsol source) survivil : 190 el the 9: 1) 200 OK -> for successful get, patch or delete 2 201 created -> for response to POST
202 Accepted -> Put request
3 204 No Content -> for delete request
4 400 Bad request -> Misformatted json/incorrect 401 Unauthorized -> invalid authentication 402 payment required 403 Forbidden -> authenticated wer doesn't (5) 6 have access to source non 429 Too many requests 404 Not Found -> Non excistent resource is 30 requested ie. can't found resource. (F) st. 500 internal server -> encountered unexpected condition which prevented Ecool from fulfilling request.

9 504 gateway timeout -> help method not support in 504 gateway

Not implemented > Hitp method not supportate

2 can't be handled

501 Not implemented > gener got invalid 501 Not informally -> server got invalid sexponse 502 bad gatenay -> server is not ready to han 503 service unavailable -> server is not ready to han 4 Workbench is a practice of documenting how a specific activity must be performed. It is often referred to a phases, steps and tasks. these will be five tasks in every workbench: input, execute, check, output and remork Ly URI: Universe Resource Identifier string of characters that identifies a partion resource by following predefined set of syntax must eg: https:// 4 URL: Universe Resource Locator (subset of URI) subset of URI that identifies a serousce of location location how to access that resource by providing an explicit method like https:// or Ap!//. Uniform Resource Name (Subset of URI) 4 URN ! it includes a name within a given space but no location a bulboni e - lossisontuaris 403 Fosbilder - authoritisated curs doest when a training area. to a local many sequents and a story as story as a sound as sequented in east found to soo internal reament - a concentrational managemental condition which provided from fulfilling request. 15000