Technics of performance testing:-

1.Volume testing : increasing 100 to 10000 users

2.load testing: testing load when 100 user and 1000 users

3.stress testing : testing data leakage, security breaches, increasing data for many users , increating data and increasing large number of users. Its is combind of valume testing and load testing

a. spike testing: increasing users suddenly

b. soak testing : site loading slowly

what is an API?

API is application programming interface

Two types of apis

Public api and private api. Google API is public api

Google api are rest api

* Two types of apis

1.rest api—representational state transfer

2. soap api 🡪 simple object access protocall

Get -> is to bring data from server

Post -> is used to push date to the server

HTTP commands

HTTP protocols: 2types http and https

http is the protocall that transferring the data ie text, graphics images sound and video its run top of tcpip sets of call

https is whenever we launch s is security leyaar(ssl protocall added)

HTTP Error codes

How jmeter works.

1.Create the request (Test plan > Thread group > sampler : HTTP request)

2.send it to the server

3. all the respone are saved

4.information is collected

5. response is returned(Listner)

Readme - How to import code files in JMeter

1) Copy script(with .jmx extension) for eg. "HTTPRequestForGoogleMaps.jmx".

2) Open apache-jmeter folder.

3) Go to "bin" folder and paste the file in it.

4) Now go to apache-jmeter > bin.

5) Run jmeter.bat file. GUI of JMeter should open up.

6) In menu options, go to File > Open.

7) Browse to the location in step 3, select it and click "Open" button.

8) Script should now be loaded.

--------------------------------------------------------------------------------------------------------

Google drive authorization

1. Google drive Oauth URL:

POT, PUT, DELETE

Google drive API

1. Post a file on google drive.
2. Update file on drive(file used in step-1
3. Delete file

Difference between soap and rest

1.soap simple object access protocol

2.rest representational state transfer

3.soap only support xml but rest supports different formate like text, JSON xml etc

4.Sending data over the network in JSON format is cheaper than sending it in xml format in terms of payload

5.soap is the use of the generic transport but rest uses http/https

Soap cont use ret because it is a protocol. Rest can use soap web services because it is a concept and can use any protocol like http, soap.

6.soap defines standards to be strictly followed. Rest does not define too much standards like soap

7.soap requires more bandwidth and resource than rest. Rest requires less bandwidth and resource than soap

Csv data config

Fetch data from csv file

It helps to parametrize the data

Varibales and fetch the values for different keys