Cyber Security Lab Manual

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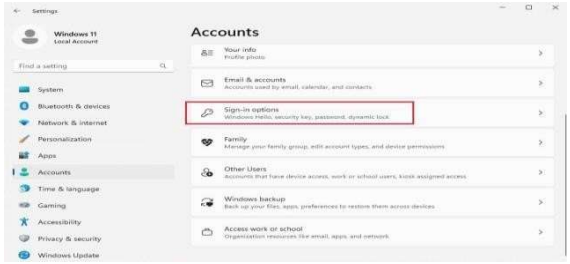
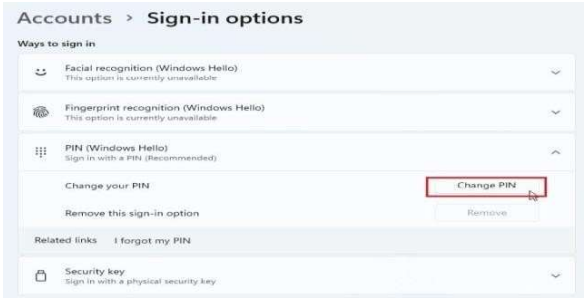
SIGNATURE OF COURSE CO-ORDINATOR

1. **Change/set windows desktop security pin/ password, enable disable firewall & check windows update system**
   - ❖ **Password setup or change pin**
     - **Step1:- press the windows 11 keyboard shortcut "windows + I" to open the setting app. Now, move to**



- **Step2:-here click to expand the "password" section and then click the "change pin" button.**



- **Step3:-after that enter the current password of your windows 11 pc and click on "next".**

- **Step4 :- on the next page, you can change the password easily. You can also add a hint to help you recoveryour account in case you forget the password.**

- **Step5 :- finally click on "finish", and you are done. You have successfully changed your windows 11password.**

❖ **Check windows update and update the system**

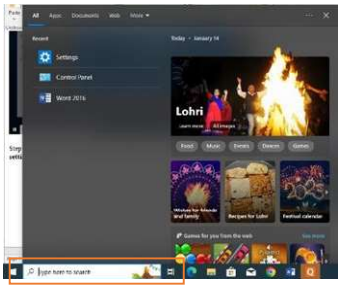
- **Step1:- first press the windows 11 keyboard shortcut "windows + I " to open the settings app. Next,navigate to the "windows update" section from the left sidebar.**

- **Step2 :- once here, click on "check for updates". If there is an update available, it will show up here and willbe downloaded automatically.**

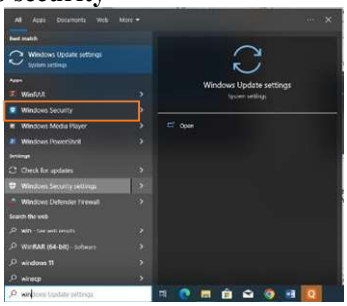
- **Step3 :-after that the update will be installed, and you will be asked to restart your pc. Simply reboot Yourwindows 11 pc in no time.**

2. Demonstrate Turn on & off Windows OS Firewall

- **Step 1: go to search**

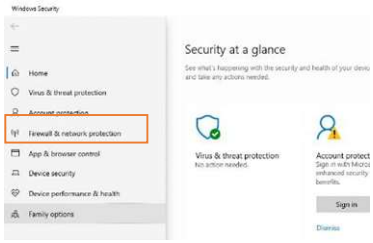


Step 2: search windows security



- **Step 3: Click on Navigation button**

Step 4: Click on Firewall and network protection



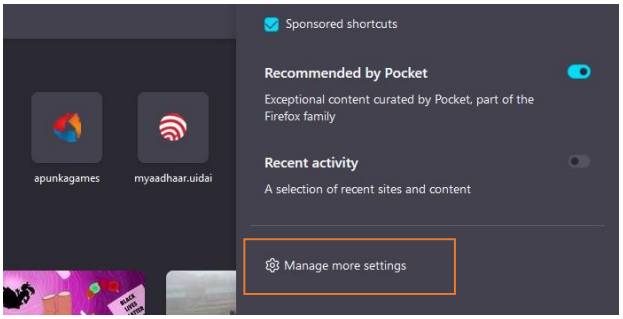
Step 5 :- if you installed any anti-virus software's the firewall will open in app , nowyou can on & the firewall

3. Check the browser and website certificates and analyze the certificates

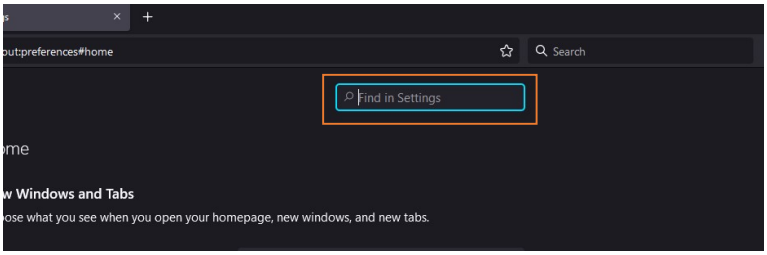
❖ **Browser certificates view**

➢ **Step 1:- Open Firefox Browser and click on settings icon**

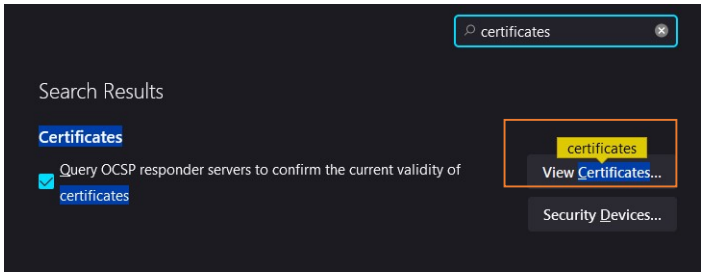
➢ **Step 2:- click manage more setting option**



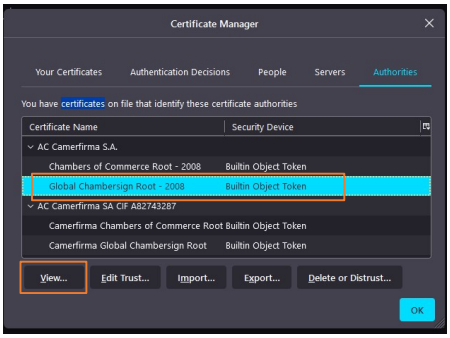
➢ **Step 3:- Search certificates in search box**



➢ **Step 4:- Click on view certificates**



➢ **Step 5:- Select any one certificate and click view**



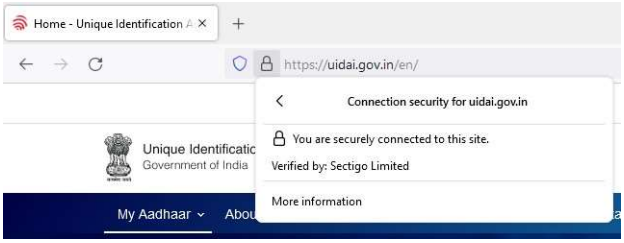
➢ **Step 6:- Now you can see the certificate**

Website certificate check

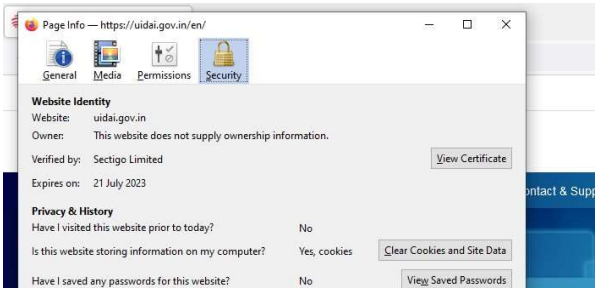
- **Step 1:- Goto firefox and search any website**
- **Step 2:- Click lock icon on left side top corner**

- **Step 3:-Click connection secure**

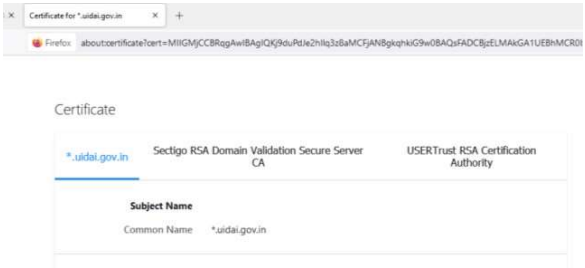
- **Step 4:- Click more information**



- **Step 5 :- Now click view certificate**

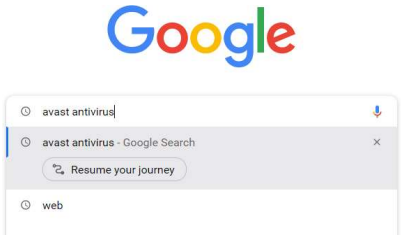


- **Step 6:- Now you can see the certificate details**

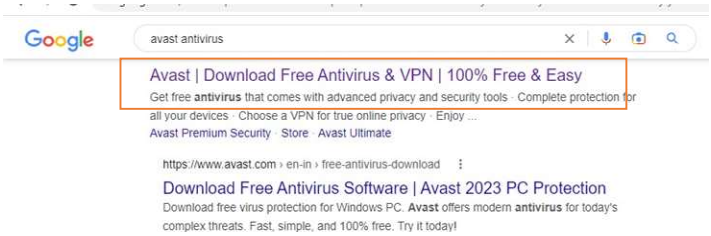


4. Install Anti-virus and scan the computer.

- **Step 1:- Open any browser and search avast antivirus.**

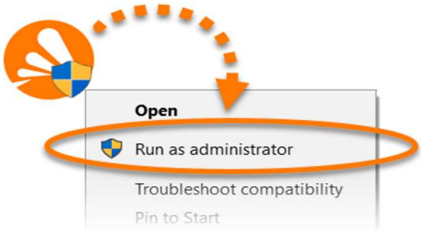


- **Step 2:- click on avast download free antivirus & vpn link**

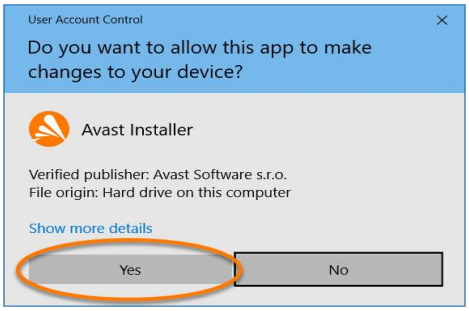


- **Step 3:- click on Download free protection button**

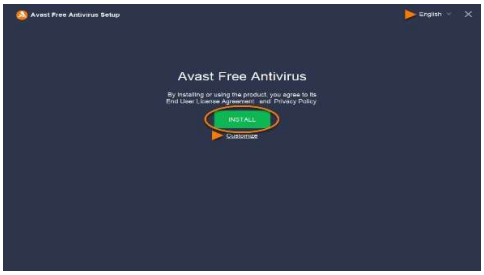
- **Step 4 :- Right-click the downloaded setup file and select Run as administrator**



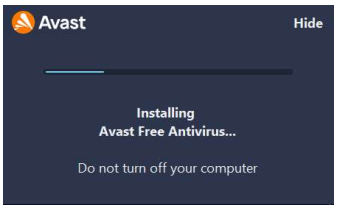
- **Step 5: If prompted for permission by the User Account Control dialog, click Yes.**



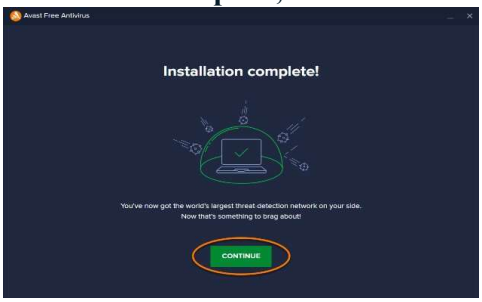
- **Step 6: Then, click Install**



- **Step 7: Wait while setup installs Avast Free Antivirus on your PC.**



- **Step 8:When the installation is complete, click Continue.**



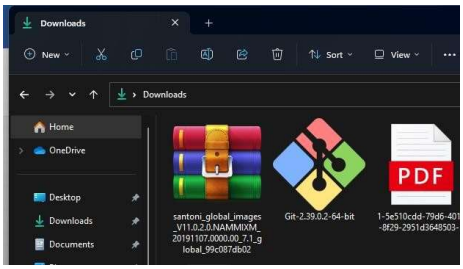
- **Step 8:Click Run first scan to start a comprehensive Smart Scan,**

5. Install Git app and perform the basic git operations below

- ❖ Create a repository
- ❖ Cloning a repository
- ❖ Making and repository changes
- ❖ Viewing the history of all changes

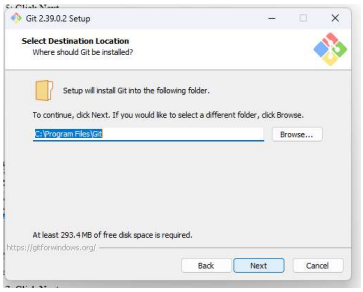
- ➢ **Step 1: Browse to the official Git website: https://git-scm.com/downloads**
- ➢ **Step 2: Click the download link for Windows and allow the download to complete.**

- ➢ **Step 3: Double-click the file to extract and launch the installer.**

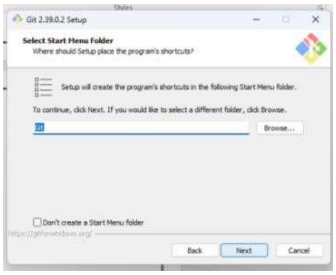


- ➢ **Step 4: Click Next.**

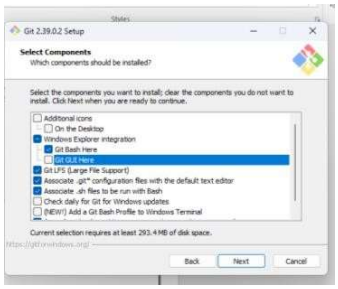
- ➢ **Step 5: Click Next.**



- ➢ **Step 6: Click Next.**

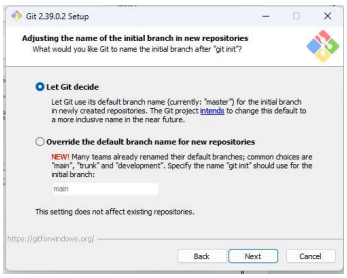


- **Step 7: Simply click Next.**

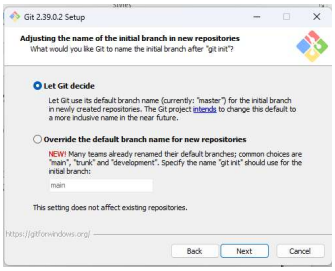


- **Step 8: Click Next.**

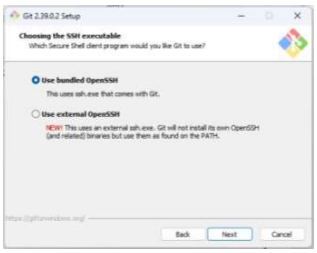
- **Step 9: Click Next.**



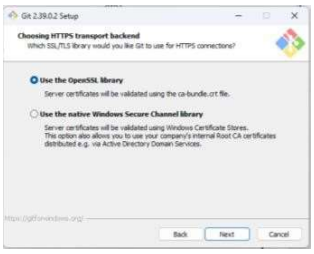
- **Step 10: Click Next.**



- **Step 11: Click Next.**



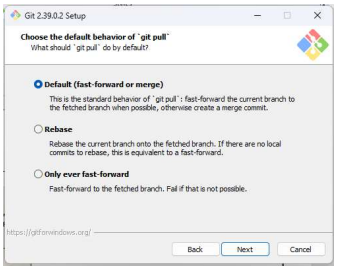
- **Step 12: Click Next.**



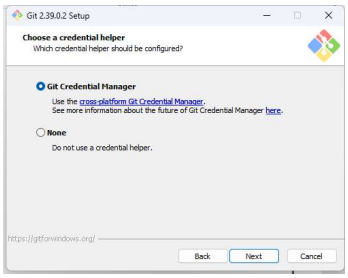
- **Step 13: Click Next.**

- **Step 14: Click Next.**

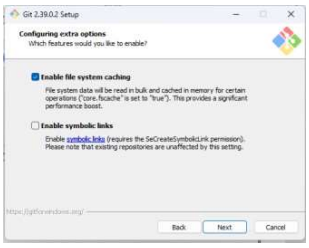
- **Step 15: Click Next to continue with the installation.**



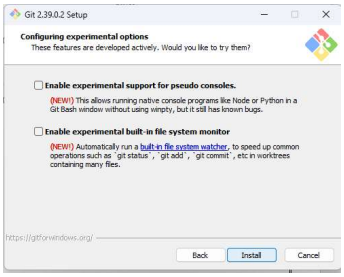
- **Step 16: Click Next.**



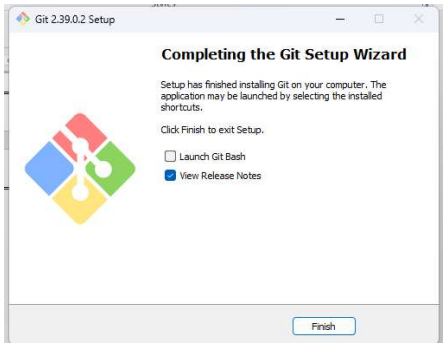
- **Step 17: Click Next.**



- **Step 18: Click Install.**



➢ **Step 19: Click Finish.**



basic git operations

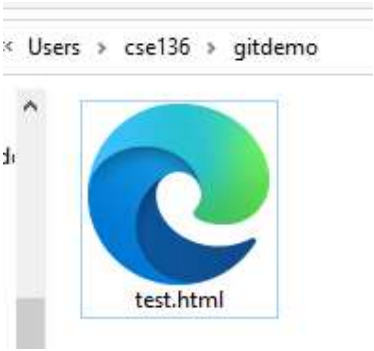
- **Create a folder gitdemo under "C:\Users\cse136"**
- **Cd "to repository path" → cd "C:\Users\cse136\gitdemo"**
  Here "gitdemo is the repository"

Now add username and email

- **Git config --global user.name "user_name"**
- **Git config --global user.email "user_email id"**
- **Git status**
- **Git init**

- **touch test.html**

Empty test.html is created



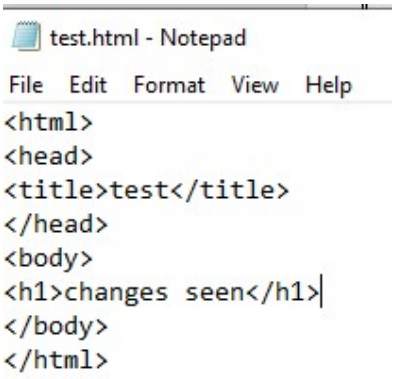
- **Git commit –m create "test.html"**

To save changes done in gitdemo repository

- **Git status**
- **Git log**

Write below html code in test.html

```
<html>
<head>
<title>test</title>
</head>
<body>
<h1>changes seen</h1>
</body>
</html>
```



Now save test.html

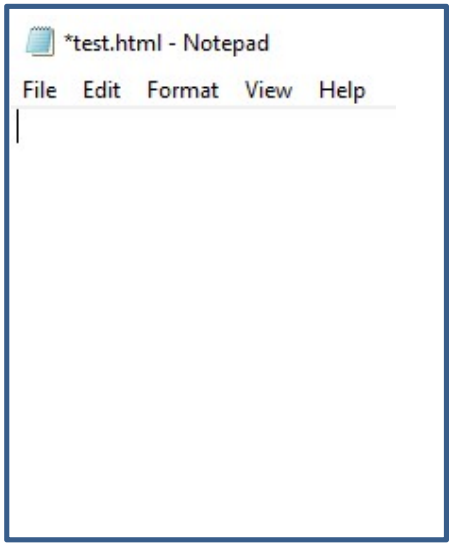
- **git status**

```
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   test.html

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   test.html
```

- **git restore "test.html"**

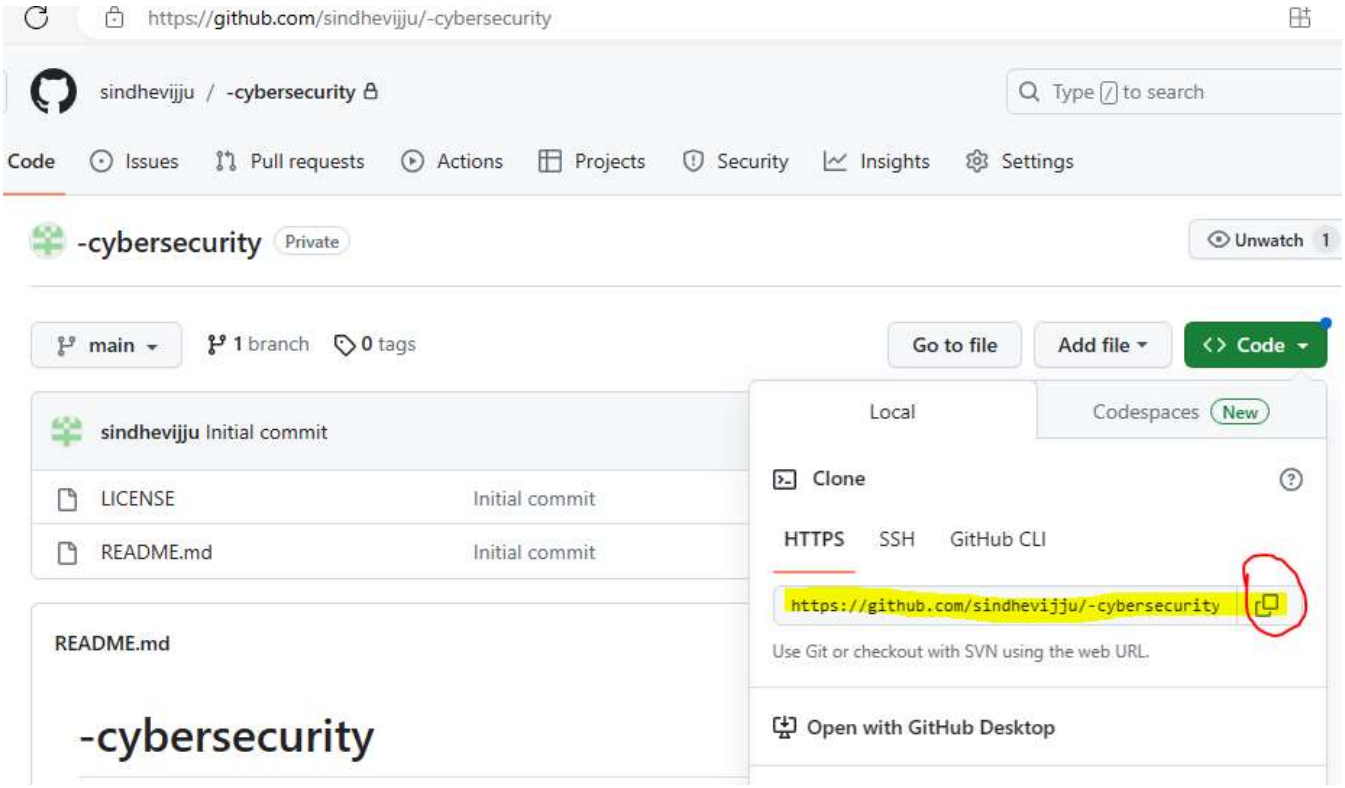
We can observe the data written in test.html is gone. File is reverted to its original state i.e test.html is empty



Cloning repository

Crete empty folder "clonedemo"

Open Git bash
Cd "file path to where repository must be clone" -→ clonedemo
Cd "C:\Users\cse136\clonedemo"



Git clone "path from git website"

```
cse136@DESKTOP-8H3KNCS MINGW64 ~/gitdemo (master)
$ git clone "https://github.com/sindhevijju/-cybersecurity.git"
Cloning into '-cybersecurity'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), 4.50 KiB | 148.00 KiB/s, done.

cse136@DESKTOP-8H3KNCS MINGW64 ~/gitdemo (master)
$
```

Browse to clone demo folder. Now we can see "cybersecurity" repository has been successfully cloned

6. **Design a simple crypto system [encryption, decryption, digital signature] using any crypto tool**

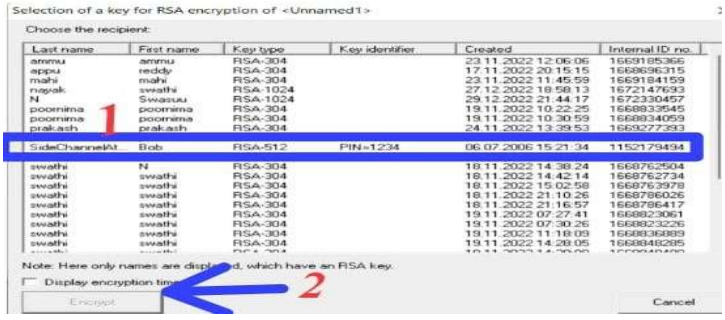
❖ **Steps for Encryption**

Step 1: - Go to file & Click on the new in crypto tool

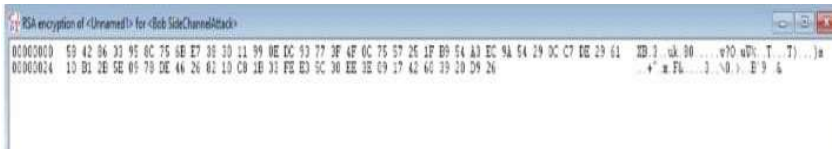
➢ **Step 2: - Then type the message**

Step 3: - Go to Encryption/Decryption option & Select asymmetric Then Click on theRSA encryption

➢ **Step 4: - Choose the recipient & Double click on the recipient Then click on theencryption**



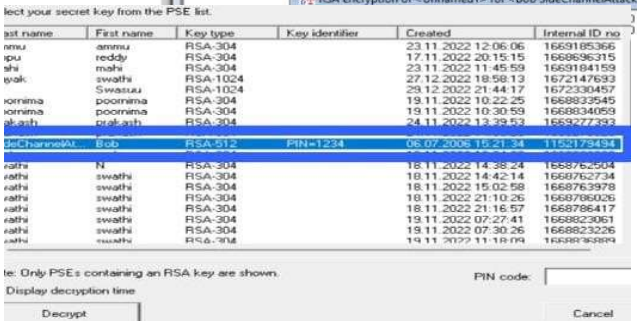
- **Step 5: - Then your message will be encrypted**



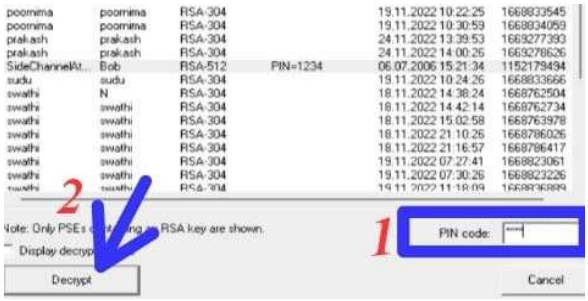
Steps for Decryption

Step 1: - Go to Encryption/Decryption & Select the asymmetric Then click on the RSAdecryption

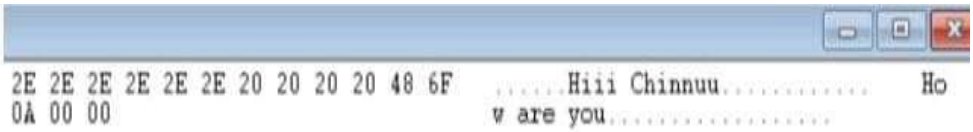
- **Step 3: - Select your secret key from the PSE list Then double click on the PSE**



Step 4: - Enter the PIN code Then click on the Decrypted

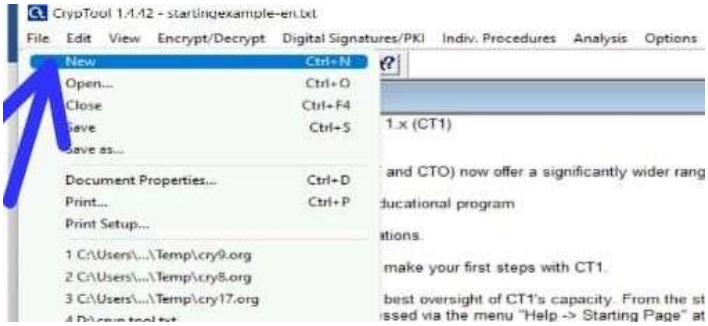


- **Step 5: - Then your message will be decrypted**

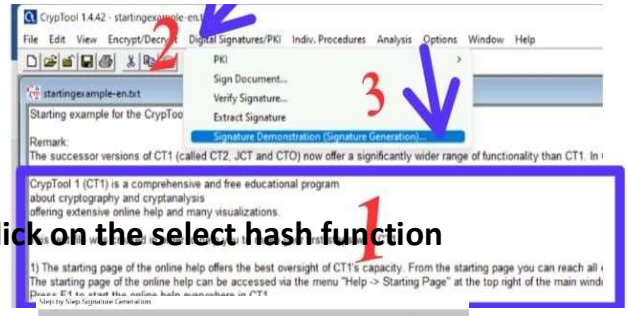


Steps for Digital Signature

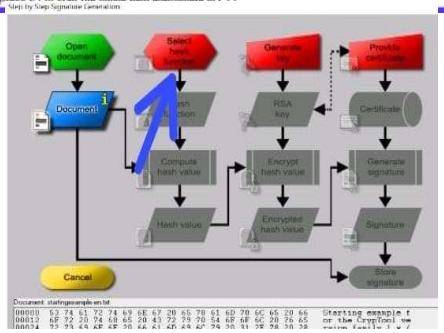
- **Step 1: - Go to file Then click on the new**



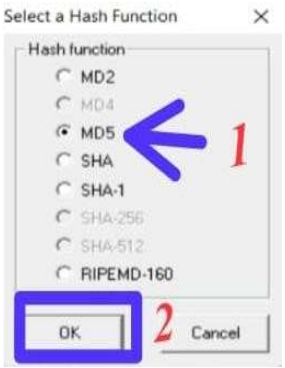
Step 2: - Type the message & go to digital signature Then click on the signaturedemonstration



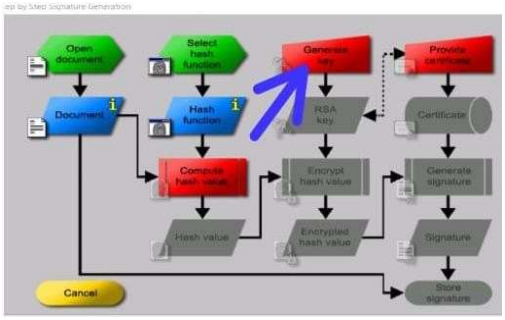
- **Step 3: - Click on the select hash function**



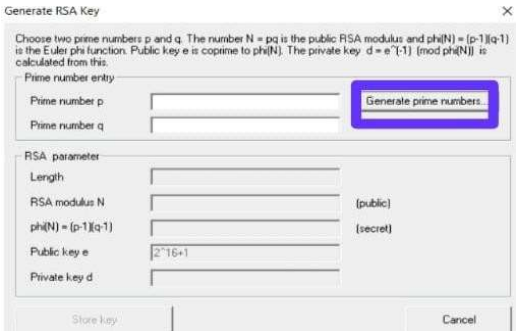
- **Step 4: - Click on MD 5 Then click on ok option**



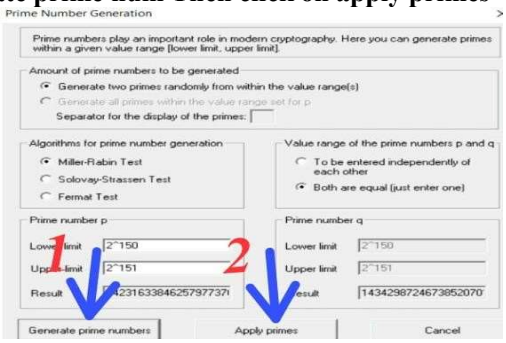
- **Step 5: - Then click on the generate key**



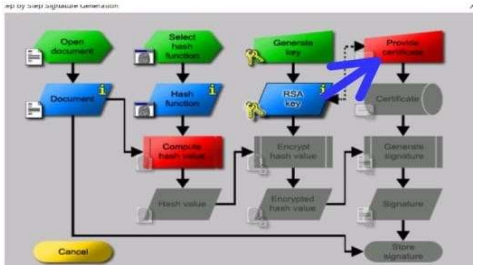
- **Step 6: - Click on the generate prime numbers**



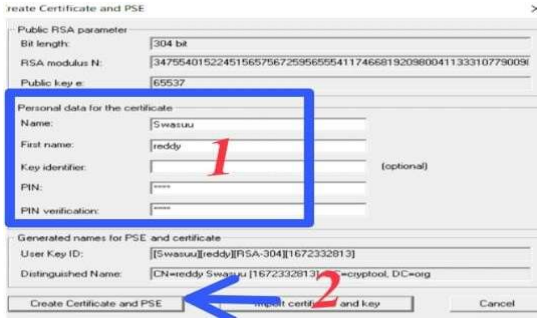
Step 7: - Select on the generate prime num Then click on apply primes



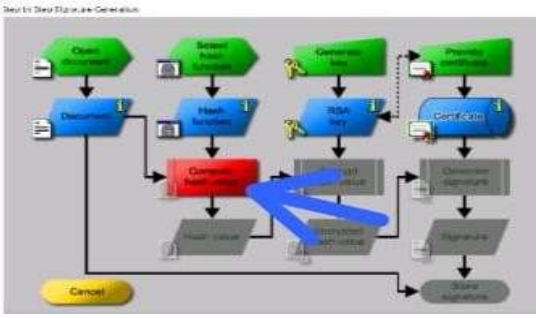
- **Step 9: - Click on the provide certificate**



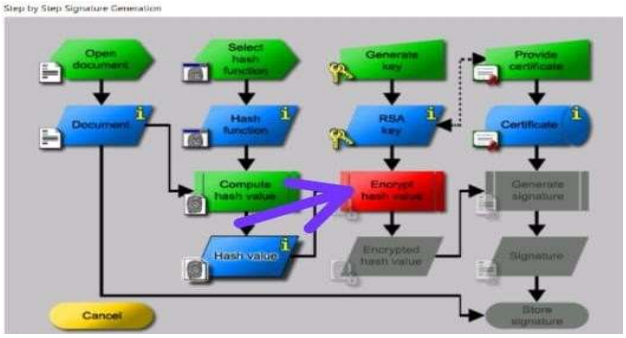
Step 10: - Create your PSE certificate Then click on the create certificate PSE



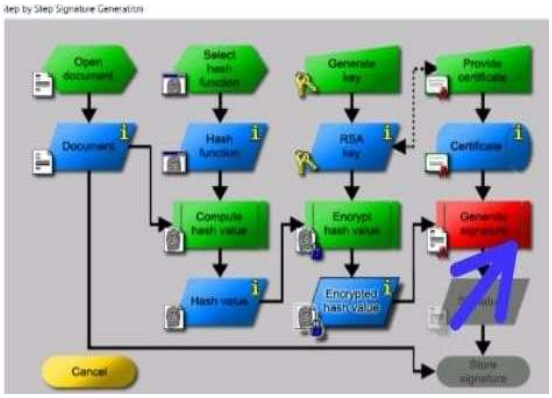
- **Step 11: - Then click on the compute hash value**



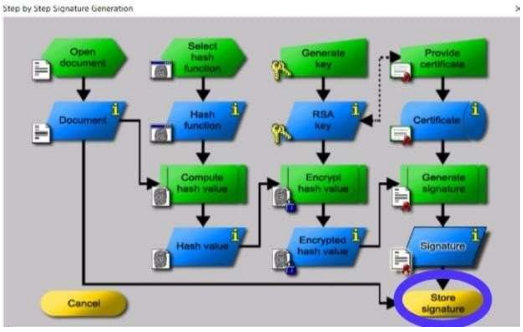
- **Step 12: - Click on the encrypt hash value**



- **Step 13: - Then click on the generate signature**

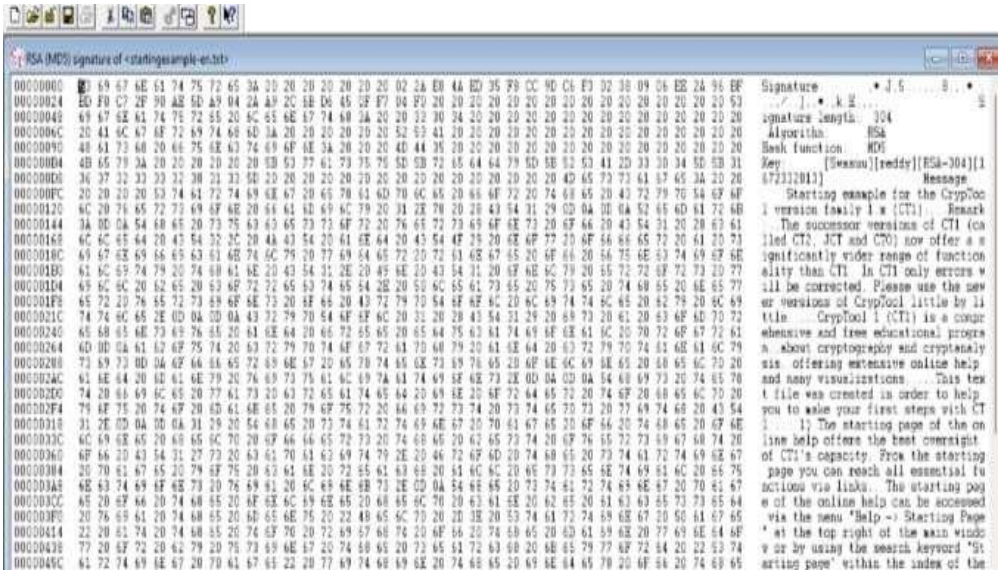


- **Step 14: - Click on the store signature**



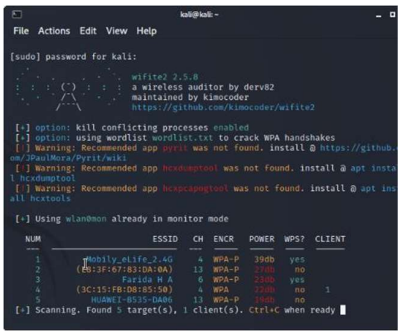
- **Step 15: - Shows the results Then click on ok option**

Step 16: - digital signature will be displayed on the screen.

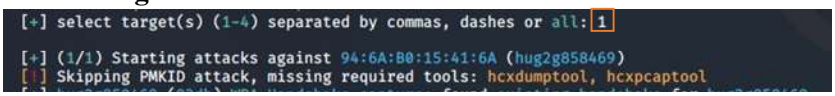


7. Crack a WIFI Password using wifite

- **Step 1:- Go to terminal in kali Linux and type this command "sudo wifite" and press enter**
- **Step 2:-The wifi scanning will begin wait untill your wifi will show then press ctrl+c**



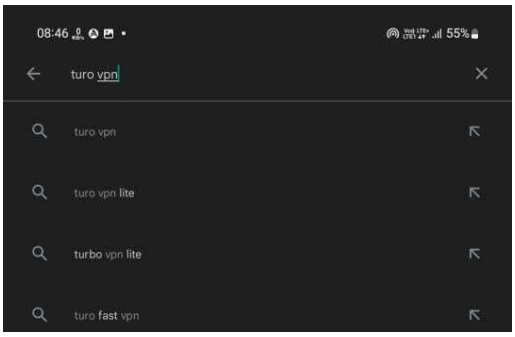
- **Step 3:- Now select targets wifi number 1-5 and then click enter**



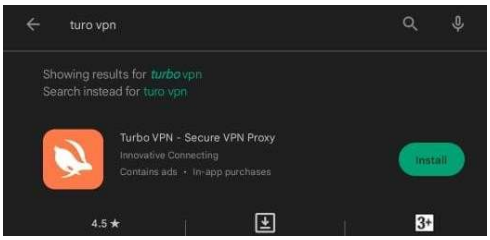
- **Step 4 :- Wait until password crack then you can see the wifi password**

8. Install VPN on mobile and pc and check connection

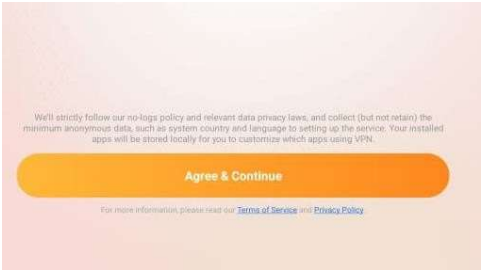
- **On Mobile**
  - **step 1:-open Playstore and search turbo vpn**



  - **Step 2:- click install**

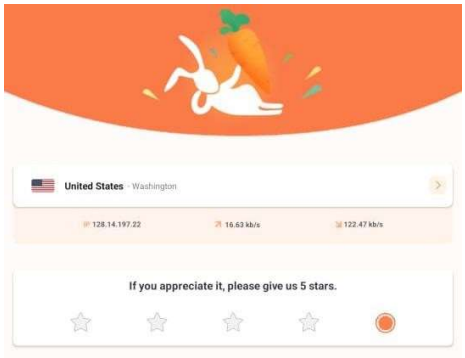


  - **Step 3:-open turbo vpn and click agree & continu**



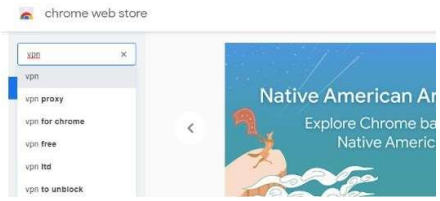
  - **Step 4:- press tap to connect**

- **Step 5:- vpn connected succfully**

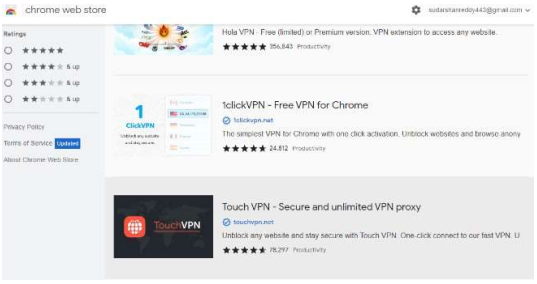


- **On Computer**
- **Step 1:- open chrome browser and search "https://chrome.google.com/webstore"**

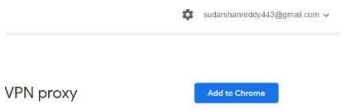
- **Step 2:- search vpn on webstore**



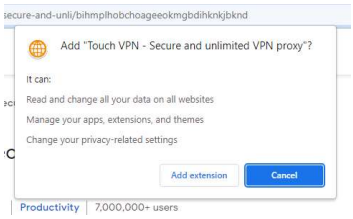
- **Step 3:- Click any one vpn**



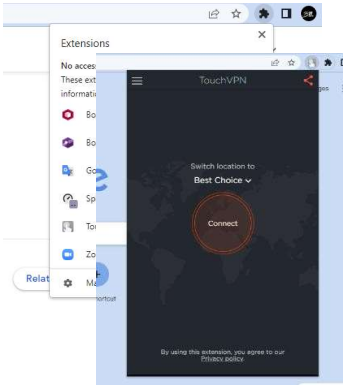
- **Step 4:- click add to chrome button to install vpn**



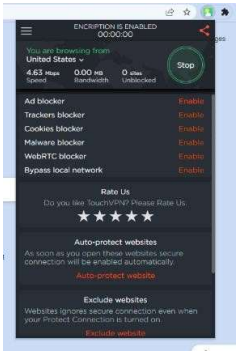
- **Step 5:- Click add extension to confirm**



- **Step 6:- Click extension icon and click downloaded vpn**



- **Step 7:- select server and click connect**
- **Step 8 :- vpn connected succsfully**



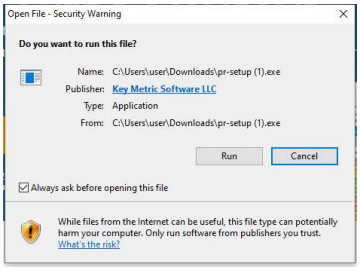
9. Demonstrate NTFS file system using NTFS permission reporter.

- **Step 1: open any browser, search for NTFS file permission reporter**

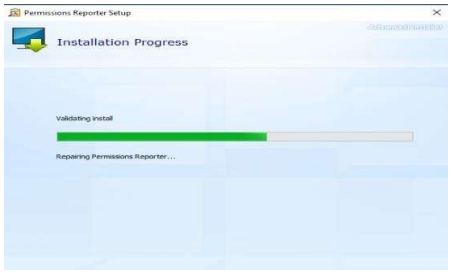
- **Step 2: Click on Download Now**

- **Step 3: Click on Start Download**

- **Step 4: Click Run**

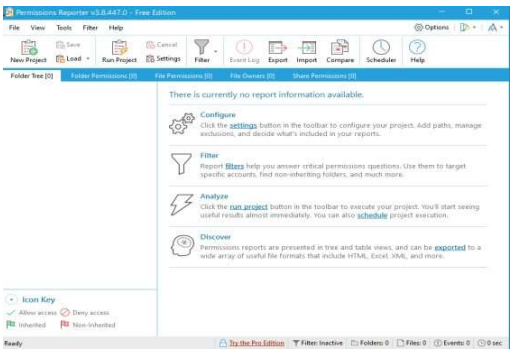


- **Step 5: Click on Next**

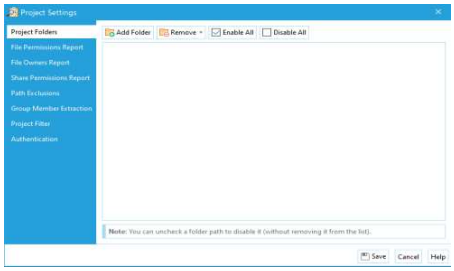


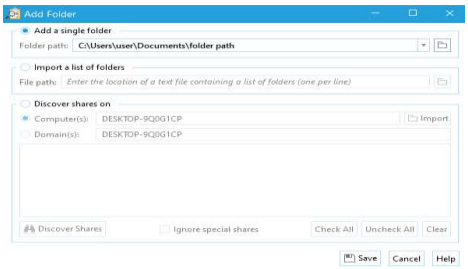
- **Step 6: Click on Close**

- **Step 7: open the permission reporter**
- **Step 8: In Configure, Click on settings**

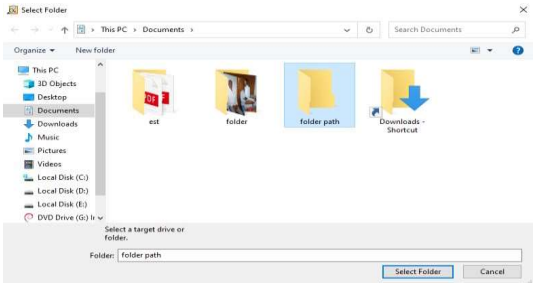


- **Step 9: In project settings, Select Add Folder**

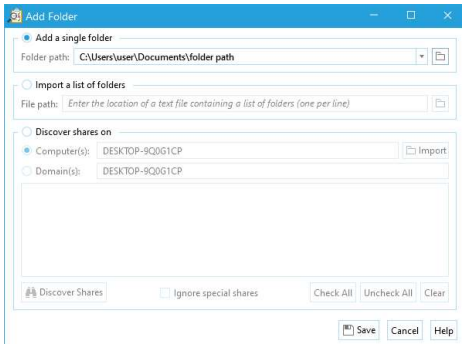




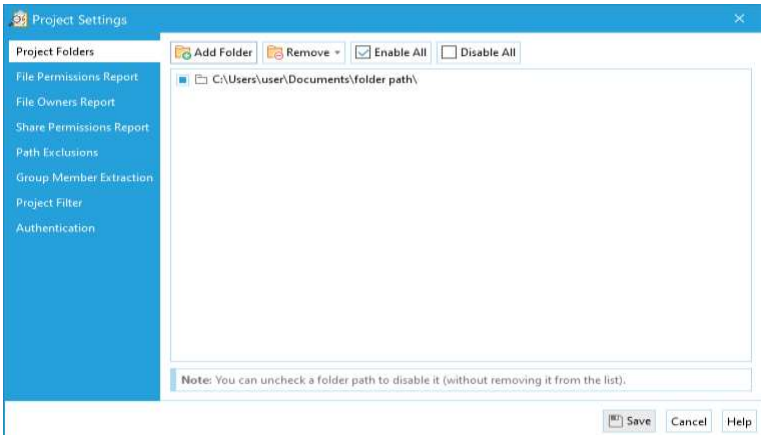
- **Step 10: Select the folder and Click on Select Folder**



- **Step 11: Click on Save**

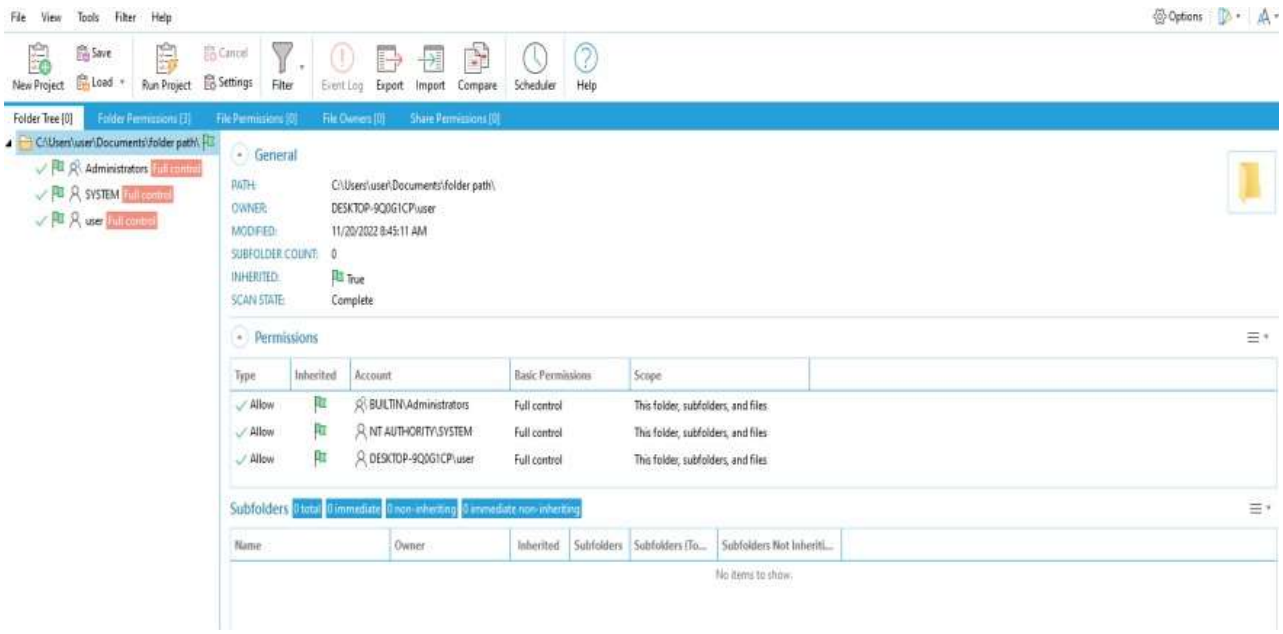


- **Step 12: Click on Save**



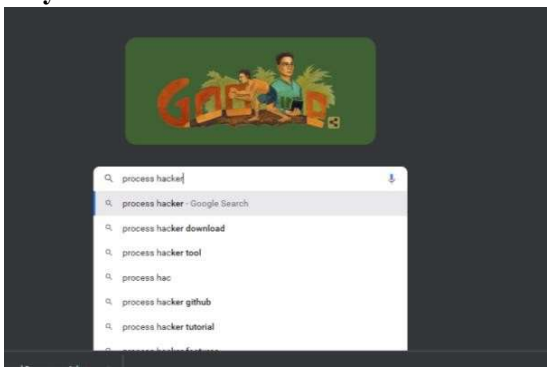
- **Step 13: Click on the run project**

- **Step 14 : permission of the select folder display on the screen**



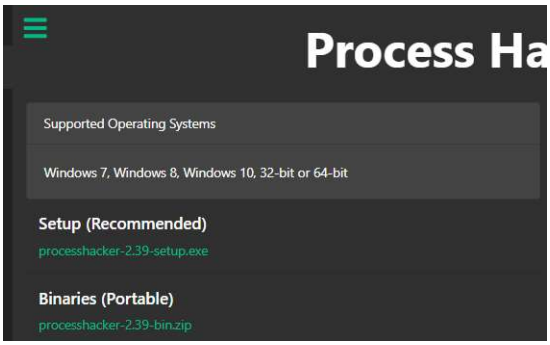
10. Installation of process hacker and observe the process with all details.

- **Step 1: - Go to any browser & Search Process Hacker**

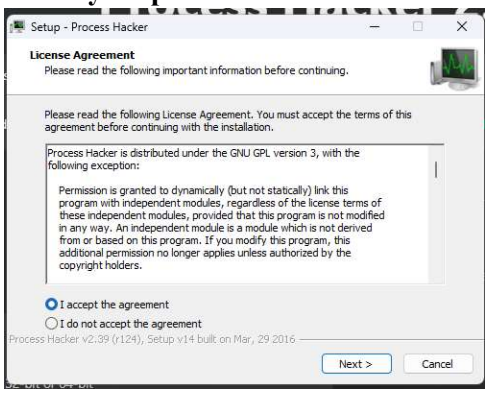


- **Step 2: - Search the download process hacker**

- **Step 3: - Then click on the process hacker – 2.39-setup**

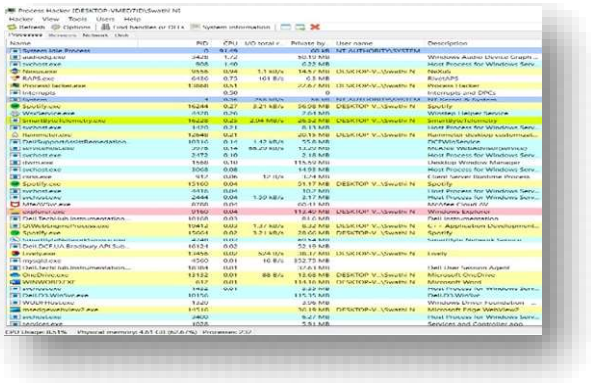


- **Step 4: - Process hacker will be downloaded**
- **Step 5: - Then process hacker will be displayed on the screen**
- **Step 6: - Double click on the process hacker**
- **Step 7: - Then click on yes option and click on the next**



- **Step 8: - Then click on the Install**
- **Step 9: - Click on the finish button**

- **Step 10: - Then you can observe the process with all details**

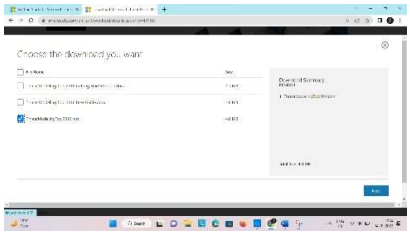


11. Using the Microsoft threat model software, create a threat model for any applicationarchitecture.

- **Step 1 go to any browser search Microsoft threat Modeling tool download**

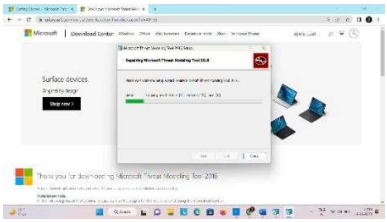
- **Step2 Display the screen Download Microsoft threat Modeling tool 2016**

- **Step 3 Choose the download you want ThreatModelingTool2016.msi 4.0 click Next**

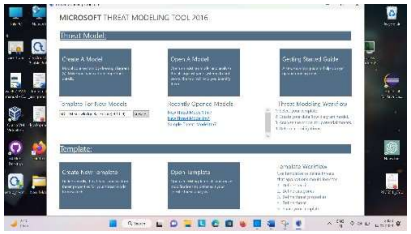


- **Step 4 Click Next**

- **Step 5 finish the installation click next step**

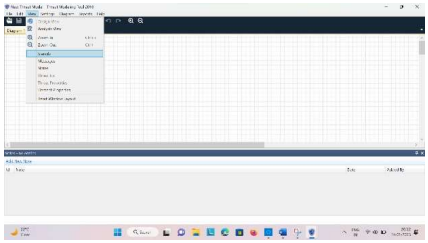


- **Step 6 After installation completed go to Threat Model create A Model**

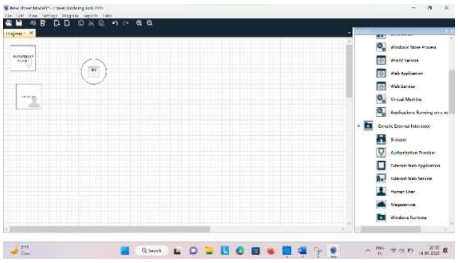


Create application

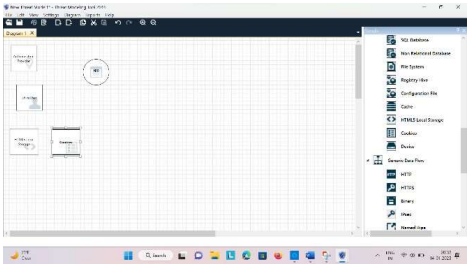
- **Step 7 go to view click stencils display the tools**



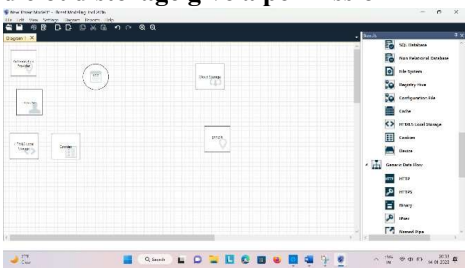
- **Step 8 Take application, Human user, Authentication provider and give the permission**



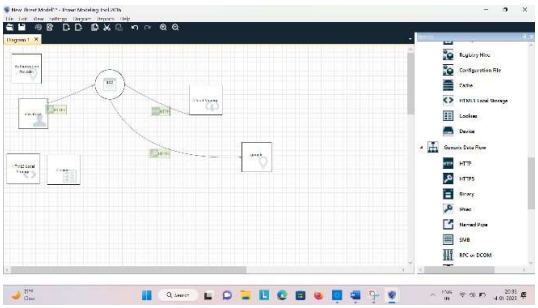
- **Step 9 Take local storage HTML and security cookies**



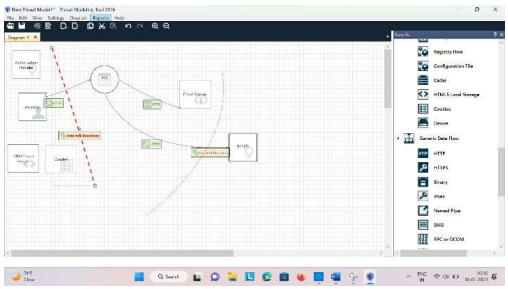
- **Step 10 Take browser and cloud storage give a permission**



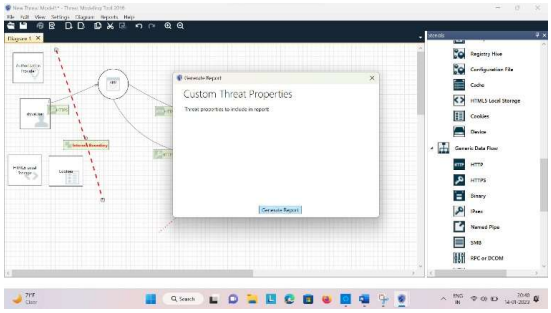
- **Step 11 Assign HTTPS user, google to app and HTTP app to storage**



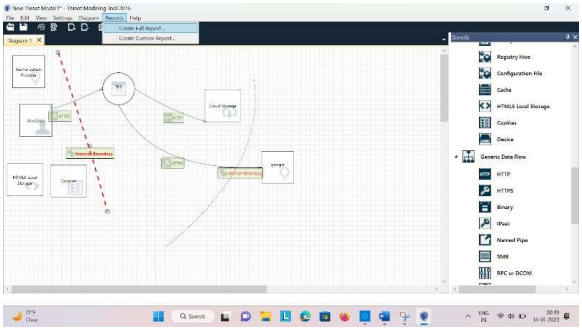
- **Step 12 Add Internet Boundary and got reports**



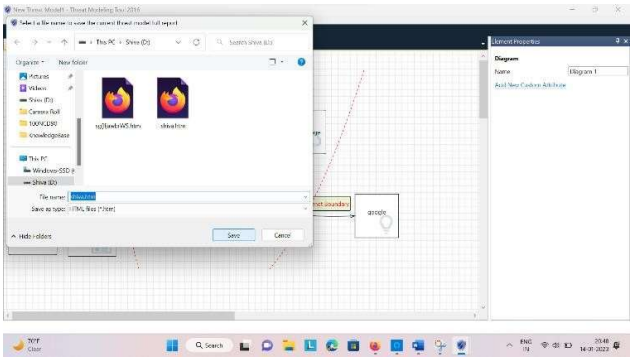
- **Step 13 Click Create Full Report**



- **Step 14 Threat properties to include in report , Generate Report**



- **Step 15 Save the file and view the report**

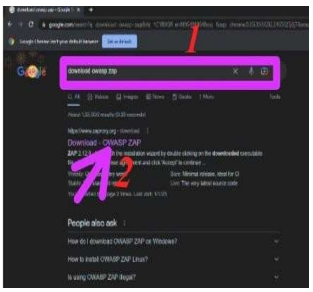


- **Step 16 Report will be generated find the vulnerability and threat in your application**

12. Install OWASP ZAP and demonstrate finding vulnerabilities in web application using automated scan & Manual Scan.

*** Automated scan:**

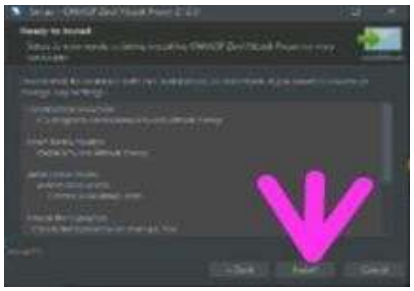
- **Step 1: - Go to chrome & search the download OWASP ZAP then click on thedownload – OWASP ZAP**



- **Step 2: - Select windows (64) installer 239MB then click on the Download**

- **Step 3: - Now ZAP will be downloaded & double click on ZAP then click on yes**

- **Step 4: - Click on the next... next… next… next… then click on install option**

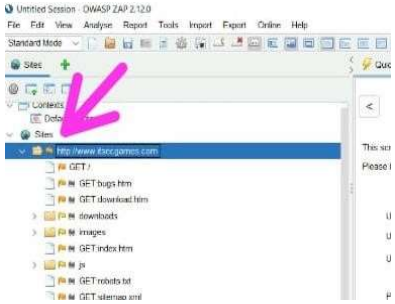


- **Step 5: - Then click on the finish button**

- **Step 6: - Open the OWASP ZAP then click on the Automated scan**

- **Step 7: - Paste BW app website URL then click on attack button**

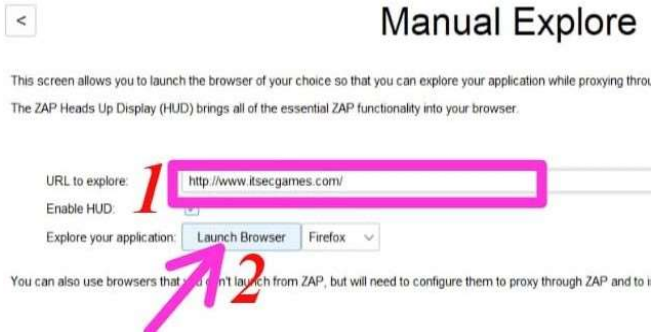
- **Step 8: - Click on sites for different files in that and analyze request andresponse header**



- **Step 9: - Now click on Alerts section and analyze type of risk which wasexposed by automated scan**

***Manual explore:**

- **Step 1: - Open the OWASP ZAP & click on manual explore to manually scanningwebsite and paste BW app URL. Then click on launch browser**

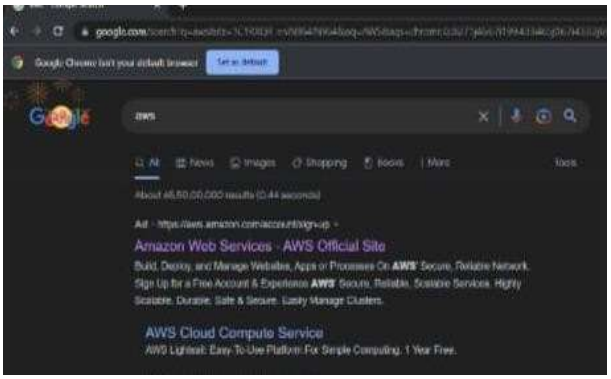


- **Step 2: - Which opens BW app website.**

- **Step 3: - From website we can start spider and manual scanning. Now comeBack to ZAP and check for alerts.**

13. Create a cloud account in AWS & Access the IAM user service & create two user accounts & one group and add 2 created users to the group and setup twofactor authentication to any one user.

- **Step 1: - Open the chrome browser & search the AWS then click on theamazon web services-AWS official site**

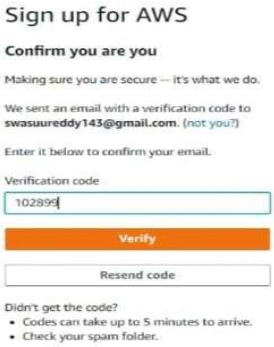


- **Step 2: - Then click on create a free account**

- **Step 3: - Enter your email address & AWS account name then**

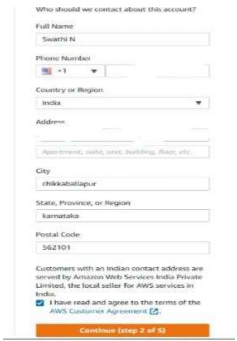
click onverify email address

- **Step 4: - Enter verification code then click on verify**

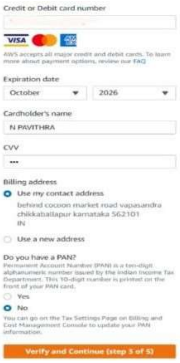


- **Step 5: - Enter Root user password & confirm the password then click onContinue**

- **Step 6: - Full fill the contact information then click on continue**

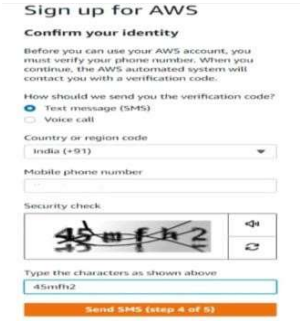


- **Step 7: - Full fill the billing information then click on verify and continue**



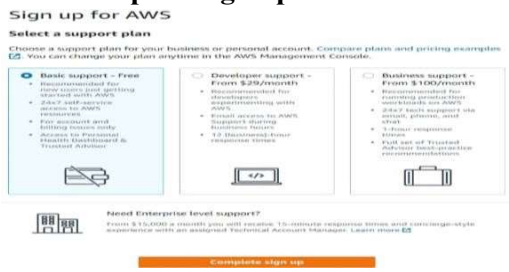
- **Step 8: - Enter one time password (OTP) then click on make payment**

- **Step 9: - Enter your phone number & captcha then click on send SMS**



- **Step 10: - Then enter the verification code**

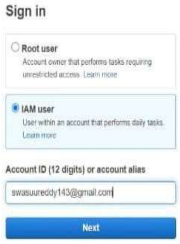
- **Step 11: - Then click on complete sign up**



- **Step 12: - Click on Go to AWS management console**

- **Step 13: - Click on sign in to the console**

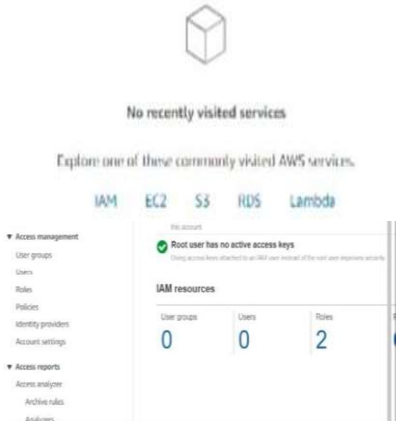
- **Step 14: - Select the IAM user & enter your email address then click onNext**



- **Step 15: - Enter the captcha then click on submit**

- **Step 16: - Enter your password then click on sign in option**

- **Step 17: - Then click on IAM**
- **Step 18: - Click on user**

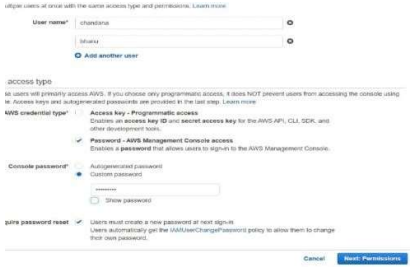


- **Step 19: - Then click on Add user**

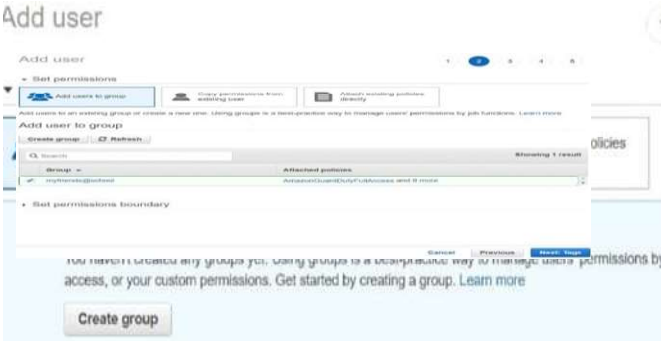
- **Step 20: - Enter user name then if you want add multiple user**

  Choose Add another user for each additional user & type their usernames

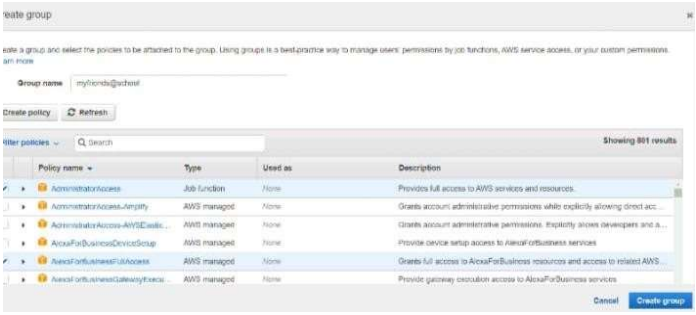
  Select the password – AWS MCA. then Select the customer password& Enter the password. Then click on Next: permission



- **Step 21: - Click on create group**

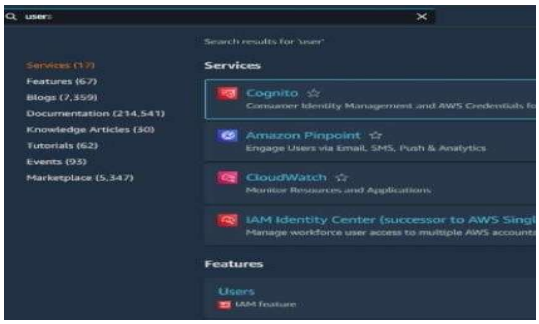


- **Step 22: - Enter the group name & Give a policies then click on create group**



- **Step 23: - Then group will be created**

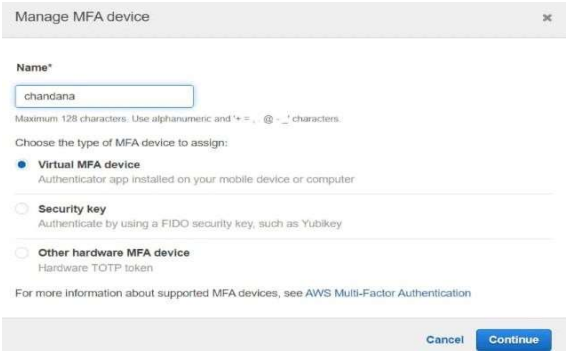
- **Step 24: - Search the users then click on users**



- **Step 25: - Then click on Add MFA**

- **Step 26: - Then click on Activate MFA**

- **Step 27: - Enter the user name then click on continue**



- **Step 28:-Then download the google authentication app in your phone**
- **Step 29:-Then scan the QR code to add your AWS account to theAuthenticator app**

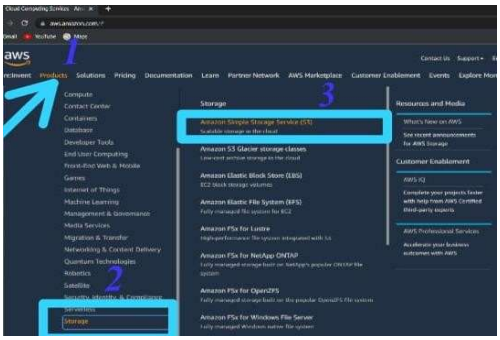
- **Step 30: - Enter the numeric code from the authentication into the**

AWSconsole. Then wait for a new code to appear in the authenticator.

Enter the second code. Then click on "Assign MFA"

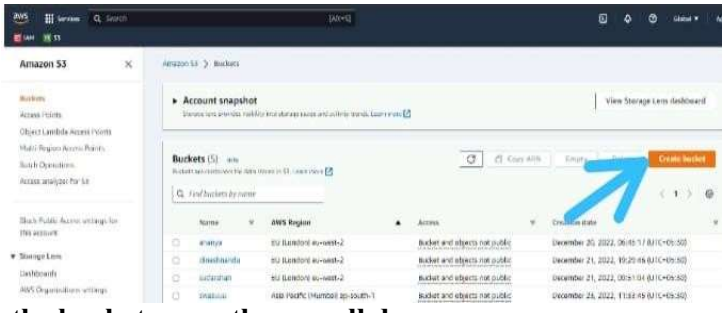
14. Demonstrate the creation of S3 bucket service in AWS & store some files in S3 bucket.

- **Step 1: - After login, go to products in AWS & select the storage option thenclick on the Amazon simple storage service(S3)**

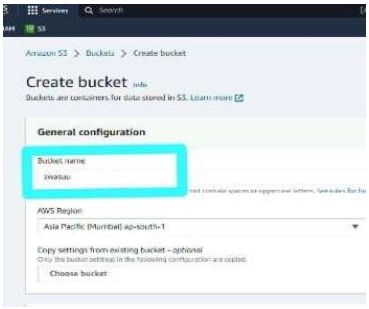


- **Step 2: - Click on Get started with amazon S3**

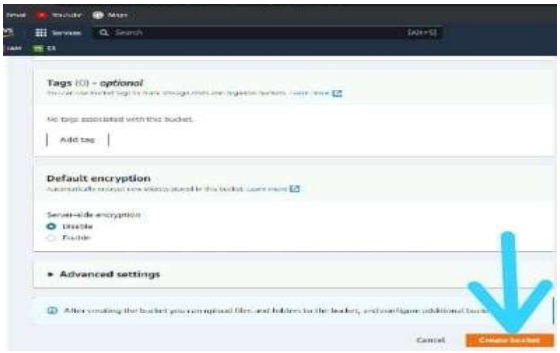
- **Step 3: - Then click on create bucket**



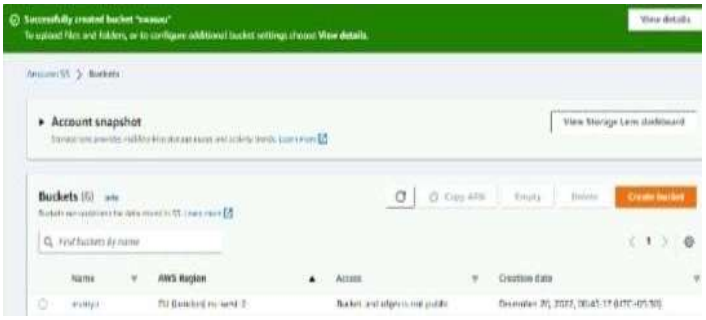
- **Step 4: - Enter the bucket name then scroll down**



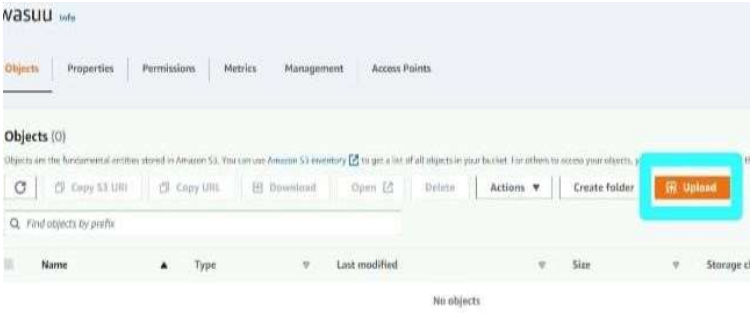
- **Step 5: - Click on create bucket**



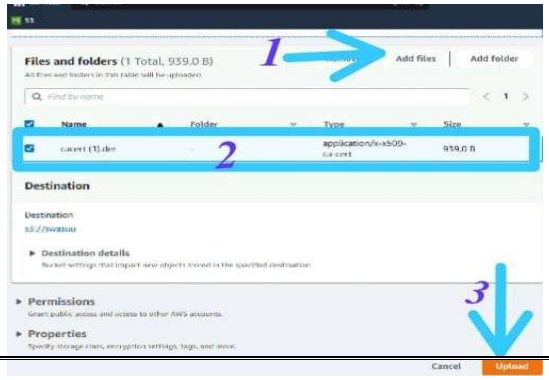
- **Step 6: - Then bucket will be created**



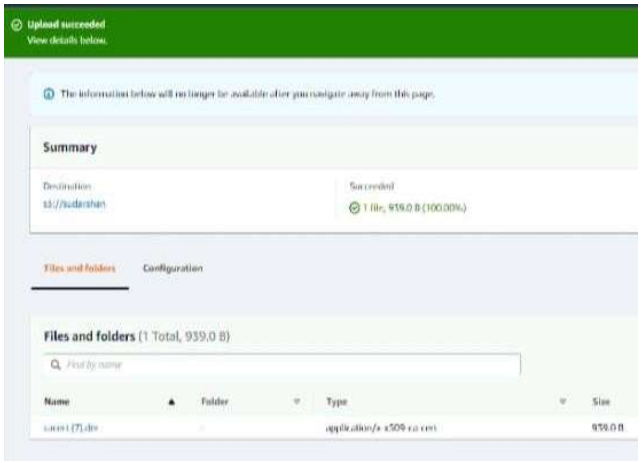
- **Step 7: - Select the bucket then click on the upload option**



- **Step 8: - Click on the Add files then click on the upload**



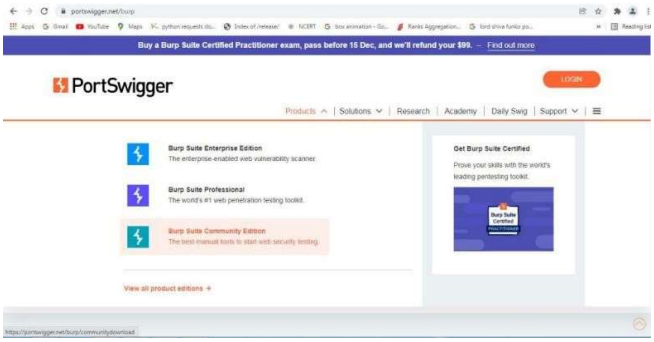
- **Step 9:- Then file will be uploading to S3 bucket.**



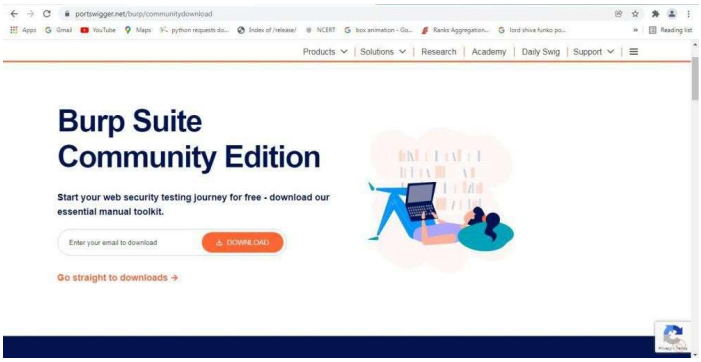
15. Installing Burp Suite on Windows & Import proxy server CA certificate tobrowser

- **Step 1: Visit the official Burp Suite website using any web browser.**

- **Step 2: Click on Products, a list of different Burp Suites will open, choose Burp suite CommunityEdition as it is free, click on it.**

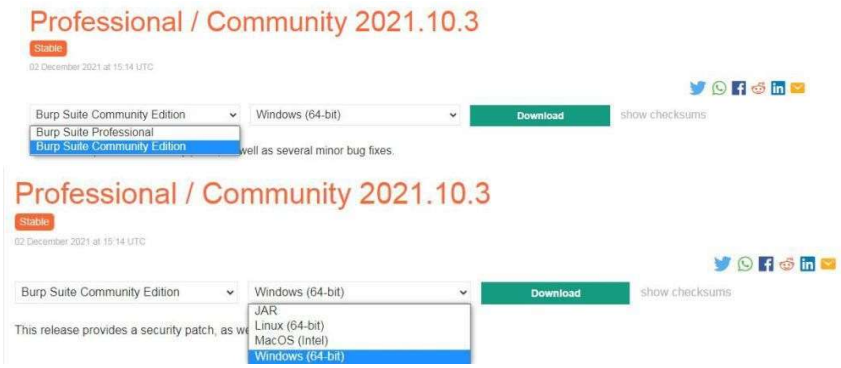


- **Step 3: Click on Go straight to downloads.**

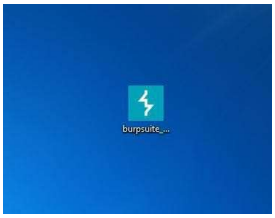


- **Step 4: select Burp suite community edition and select windows (64-bit) and then click**

ondownload.

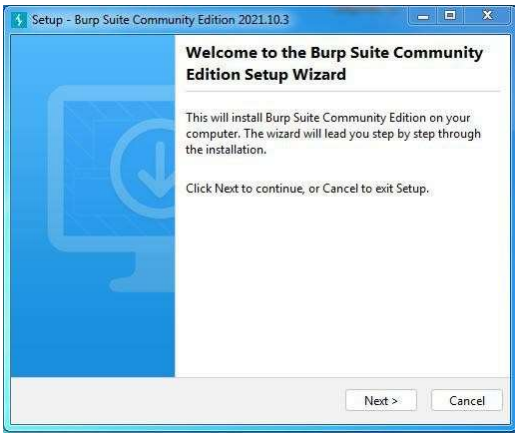


- **Step 5: Now check for the executable file in downloads in your system and run it.**

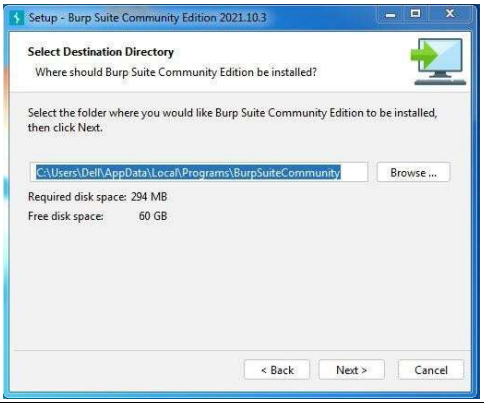


- **Step 7: Loading of Installation Wizard will appear which will take a few seconds.**

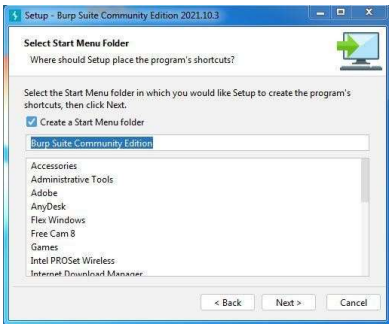
- **Step 8: click on Next.**



- **Step 9: choose the drive which will have sufficient memory space for installation. It needed amemory space of 294 MB.**



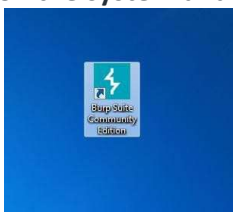
- **Step10: click on Next Button.**



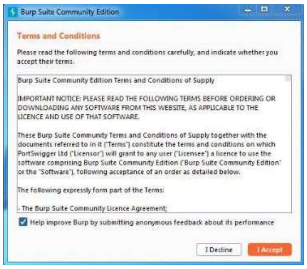
- **Step 11: installation process will start and will hardly take a minute to complete the installation.**

- **Step 12: Click on Finish**

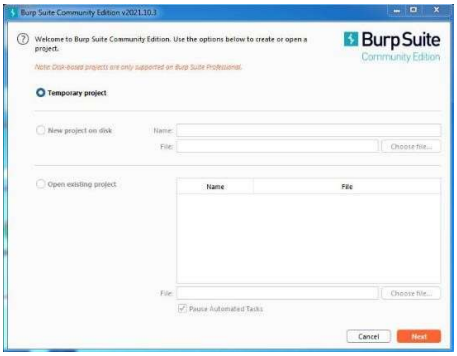
Step 13: Burp suite is successfully installed on the system and an icon is created on the desktop



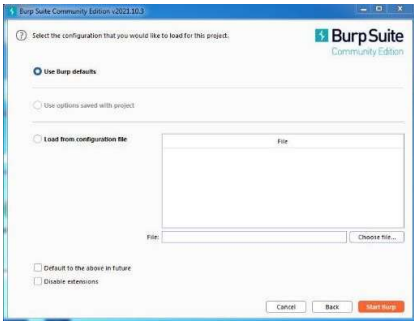
Step 14: Run the software, Click on I Accept.



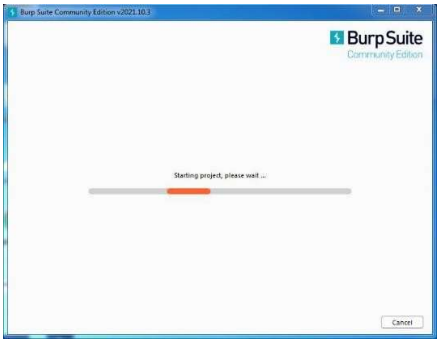
- **Step 15: Choose click Next.**



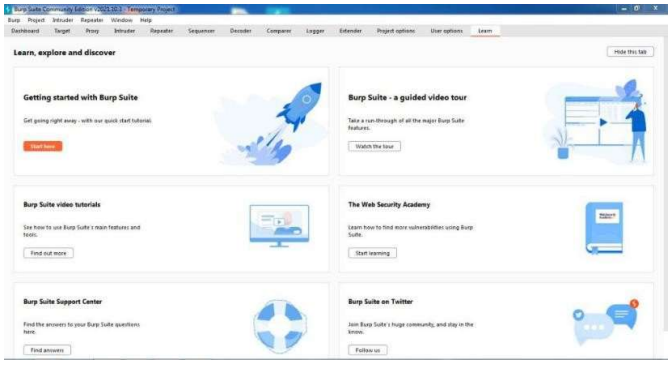
- **Step 16: click on Use Burp Defaults.**



- **Step 17: Project will start loading.**

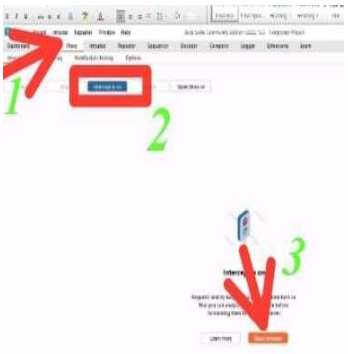


- **Step 18: Finally new project window will appear.**



❖ **Certificate import to browser**

- **Step 1: - Double click on the burp suite app & click on the next then click on theStart burp**
- **Step 2: - Now burp suite will be open & select the proxy and turn on theIntercept then click on the open browser option**

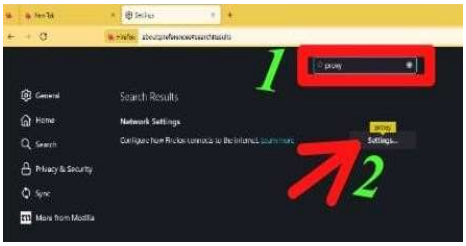


- **Step 4: - Search the http://Burpsuite then click on the CA certificate**
- **Step 5: - Then CA certificate will be downloaded**

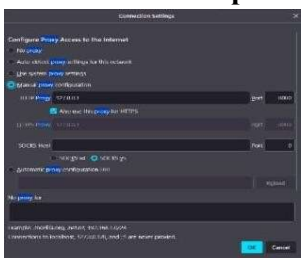
- **Step 6: - Open the fire fox then go to settings**

- **Step 7: - Then click on the manage more settings**

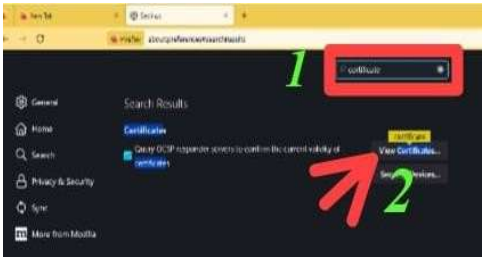
- **Step 8: - Search the proxy then click on the proxy settings**



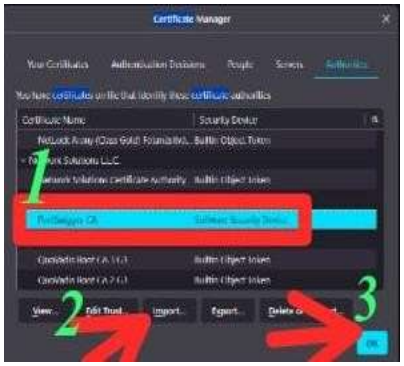
- **Step 9: - Choose the manual proxy configuration & enter the HTTP proxy andPort then click on ok option EX: - 127.0.0.1 & 8080**



- **Step 10: - Search the certificate then click on the view certificates**

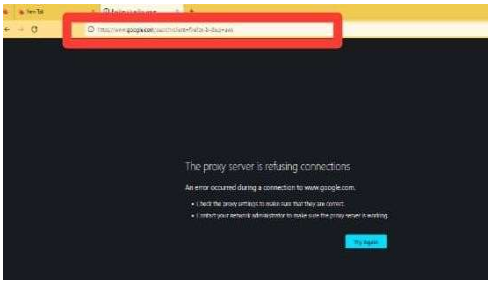


- **Step 11: - Select the port swigger CA certificate & Import the certificate thenClick on the ok option**

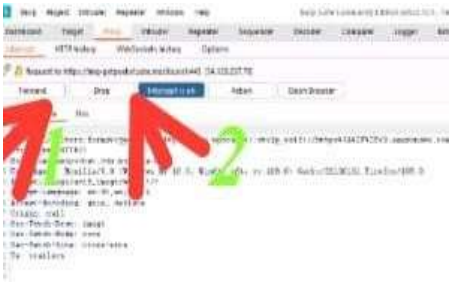


- **Step 12: - Open the fire fox then search the any website name**

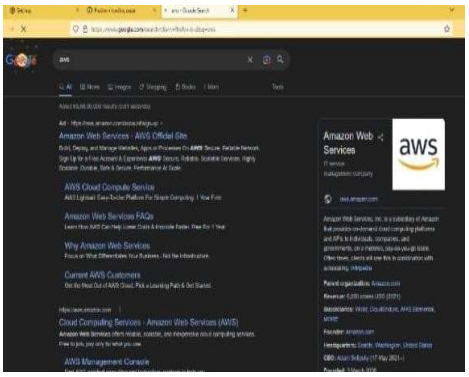
- **Step 13: - Now we can't reach the website, So**



- **Step 14: - Open the burp suite & click on the forward option then click on drop**



- **Step 15: - Now we can reach the website**



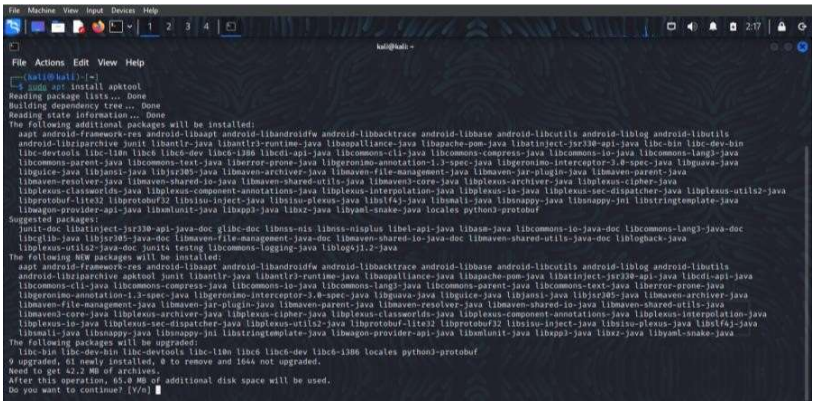
15. **Install the Apktool on your Virtual machine and perform reverse engineering on the DIVA Androidapplication.**

- **Step 1:- Open terminal in kali linux**

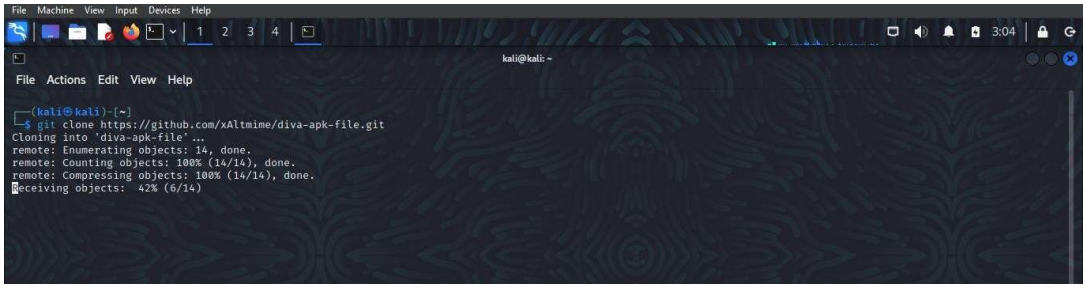
- **Step 2 :- Install apktool using this command "sudo apt install apktool" & press Enter button**

- **If installation not begin / any error show update "sudo apt update"**

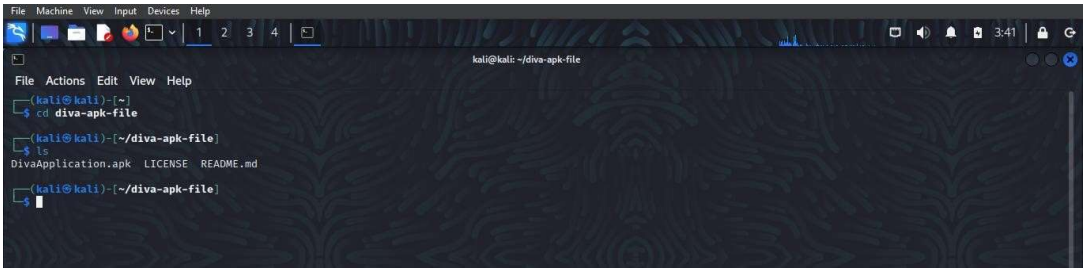
- **Step 3:- Wait untill installation complete**



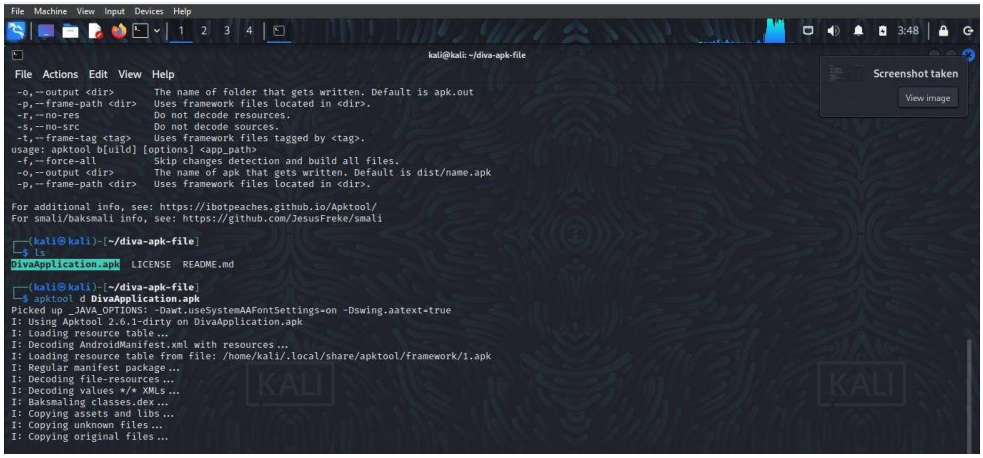
- **Step 4:- Download Diva application using "git clone https://github.com/xAltmime/diva-apk-file.git**



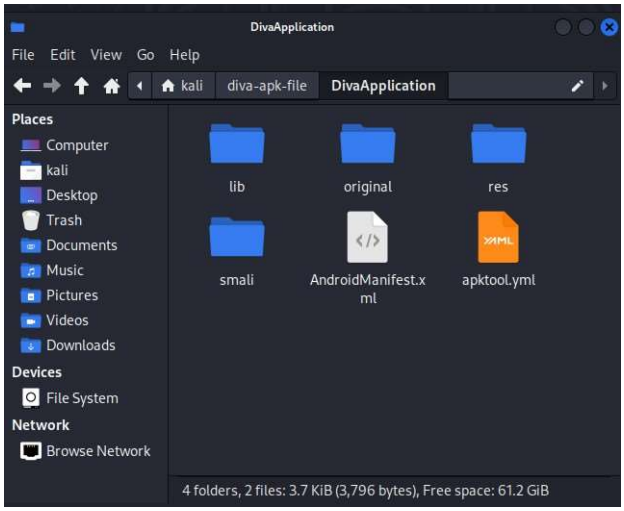
Step 5:- Now change directory to "diva-apk-file" using "cd diva-apk-file"



- **Step 6:- Now decoding the "DivaApplication.apk" using "apktool d DivaApplication.apk"**

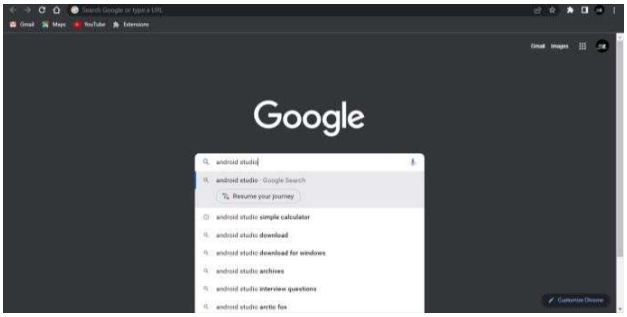


- **Step 7 :- After decoding complete go to "DivaApplication" Folder thare you can see the application sourcecode**

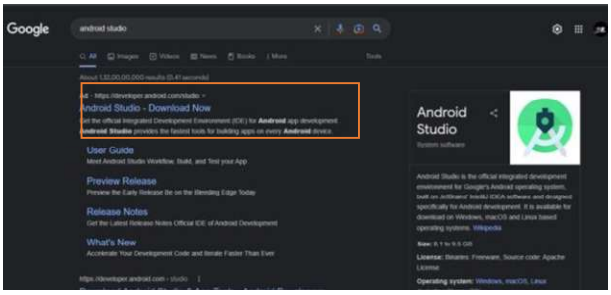


16. Download and install the android studio and create a AVD

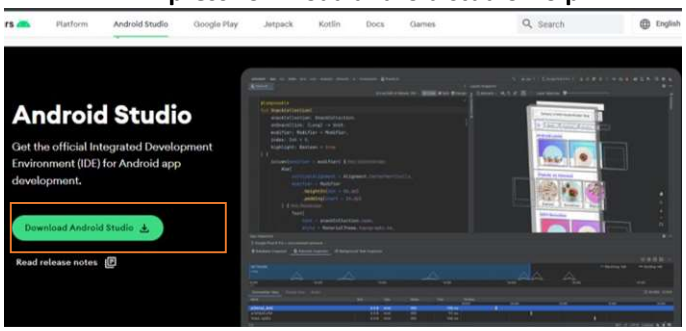
- **Step 1:- go to google and search android studio**



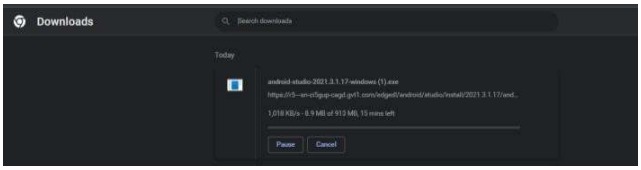
- **Step 2:- Click on Android Studio – download now option**



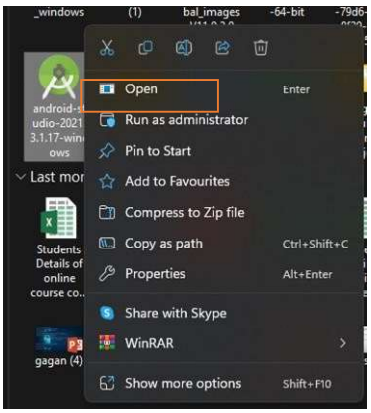
- **Step 3:-Now click downlod android studio option & and click terms and conditions and pressDownload android studio Dolphin**



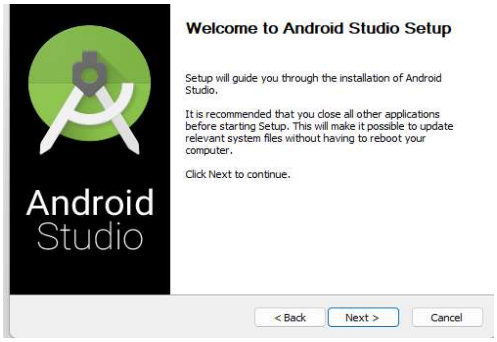
- **Step 4:- Wait untill download complet**

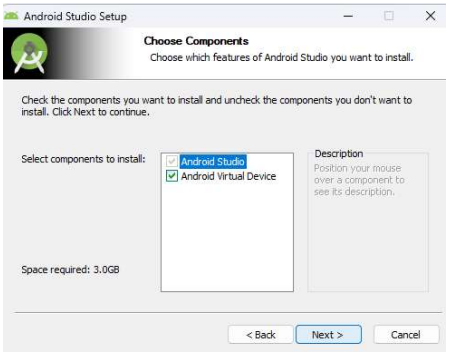


- **Step 5:- After complet the download open the software**

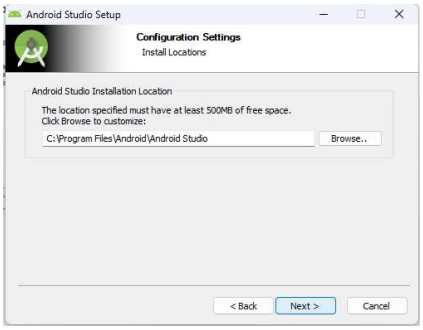


- **Step 6:- Click next button and Choose Components and click next.**

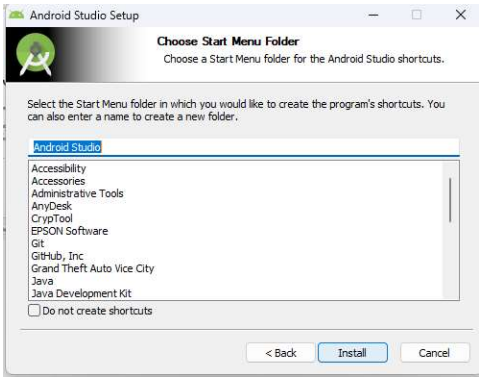




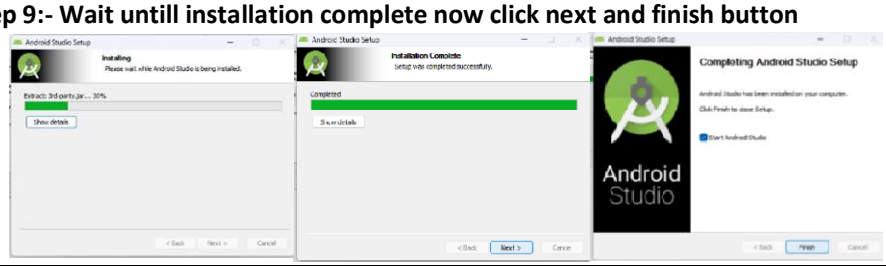
- **Step 7:- Select File save location and click next.**



- **Step 8:- select Installation Directory's and click install**



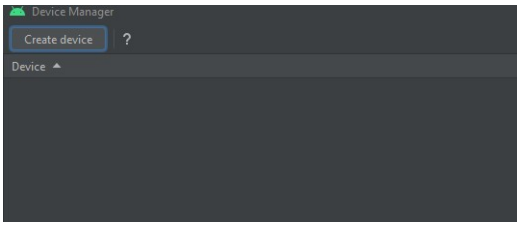
- **Step 9:- Wait untill installation complete now click next and finish button**



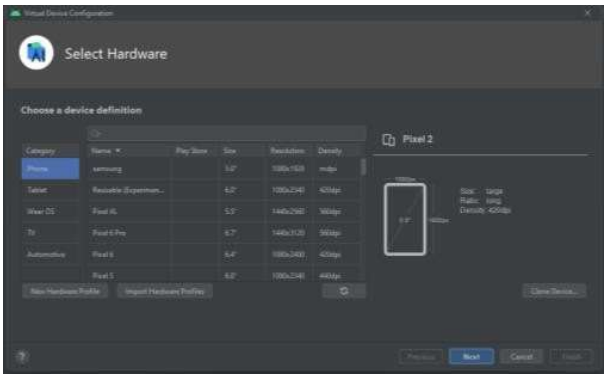
- **Step 10:- Click on more Actions**

- **Step 11:- Now click on Virtual Device Manager**

- **Step 12:- Click on create device**

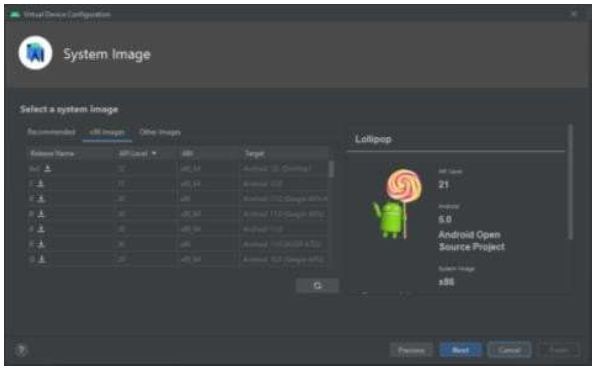


- **Step 13:-select any one category & model then click next**

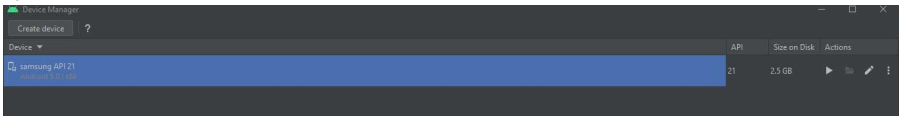


- **Step 14:- select any one android version and click next**

- **Step 15:- type a AVD name and click finish**



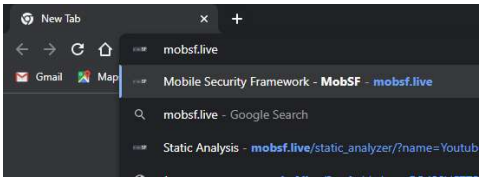
- **Step 16:- AVD device created**



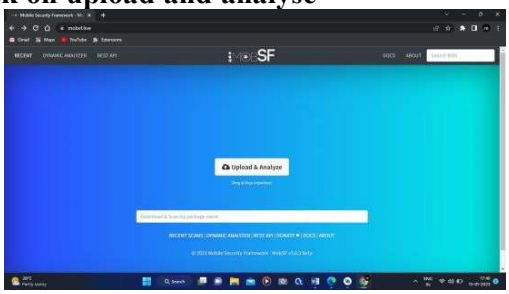
17. Scan any 5 android apps and analyse the report's using MobSF

- **Step 1:- go to any one browser and download any 5 android apps like "youtube go,Instagram lite,fb lite, snaptube,dr driving"**

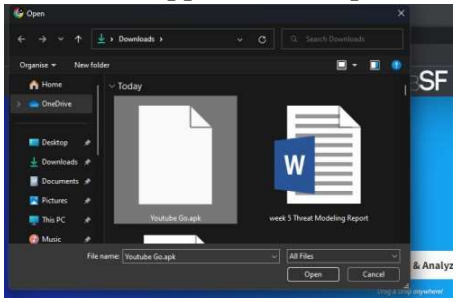
- **Step 2:- after download the apps open any browser and search "mobSf.live"**



- **Step 3:- Then click on upload and analyse**

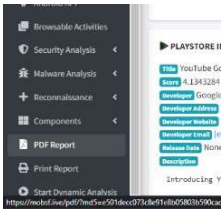


- **Step 4:- Select any one android app and click open**



- **Step 5:- wait until complet the upload and analyse**

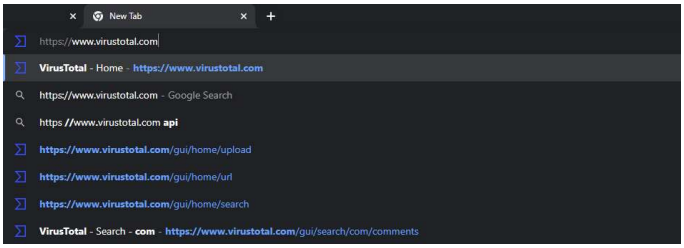
- **Step 6:- after complet the analyse click on pdf report and save the report and analyse thereport**



- **Step 7:- repeat the same steps for all apps**

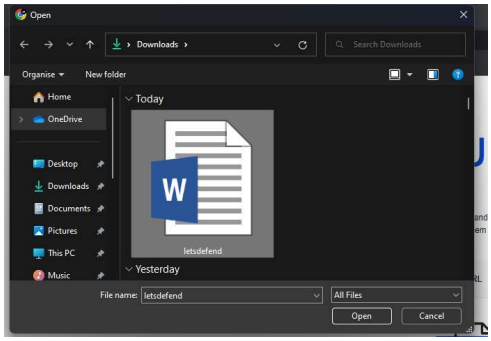
18. Using VIRUSTOTAL website Analyse any File, Url & Domain etc…

- **Step 1:- Go to any browser and search https://www.virustotal.com**



- **Step 2:-Click choose file to scan a file**

- **Step 3:- Select any file and click open**

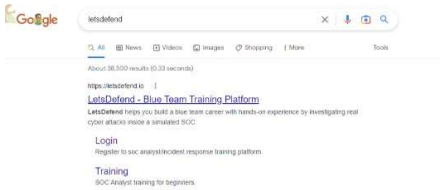


- **Step 4:-Now select URL option and enter any url and click enter to start a scan**

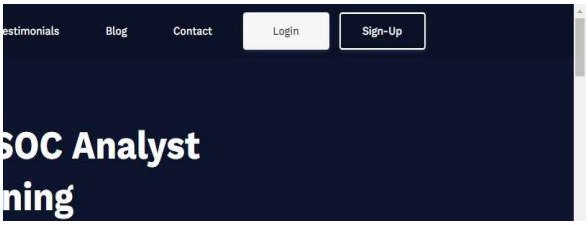
- **Step 5:-Now select search and enter URL, Domain,, IP address and press enter**

19. **Give the procedure for Understanding the tools and products used in any organisation usingletsdefend.io website**

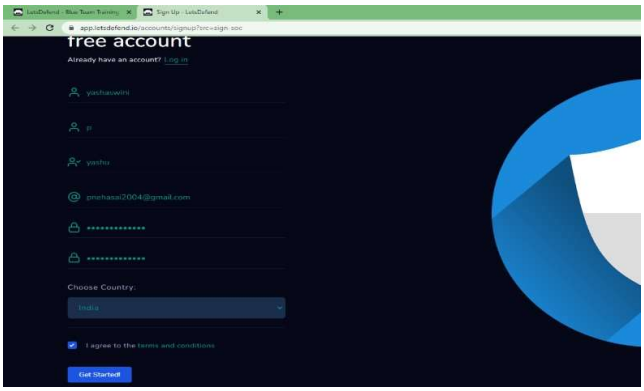
- **Step 1: open google chrome and search for letsdefend**



- **Step 2: Click on Sign-Up**

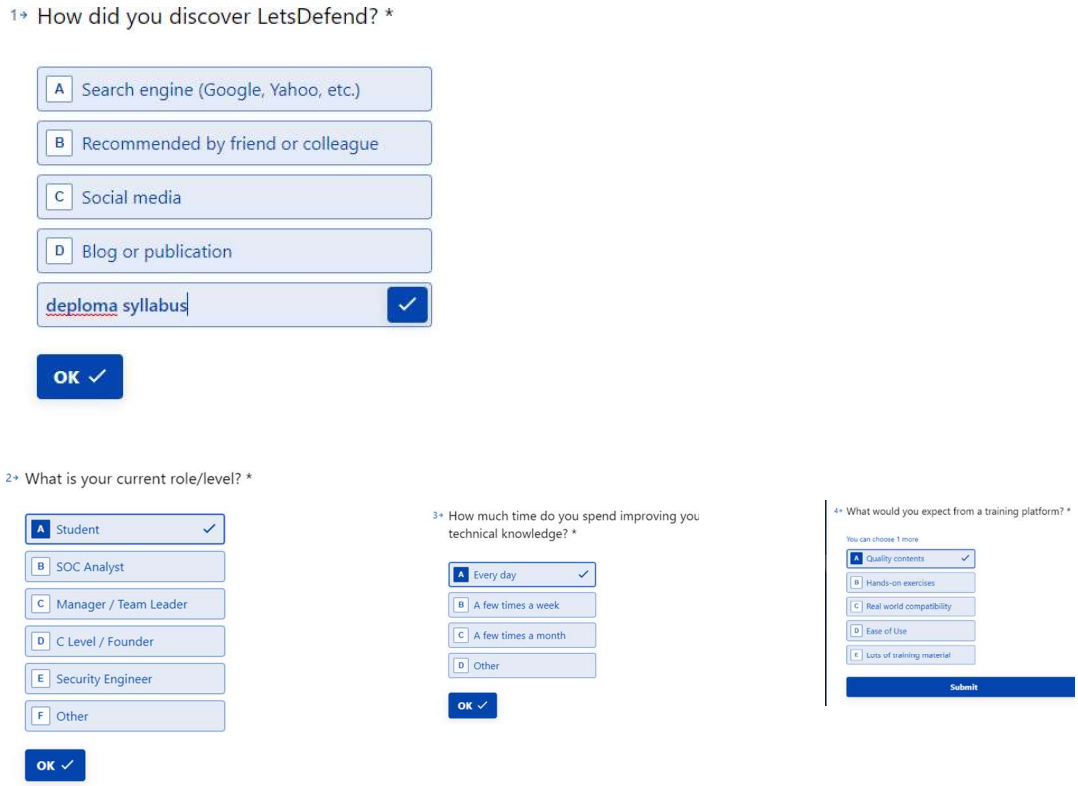


- **Step 3: give a details for the log in and Click on Get Started**

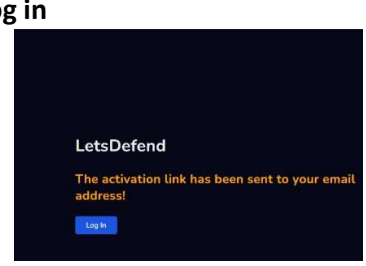


- **Step 4: Click on Start**

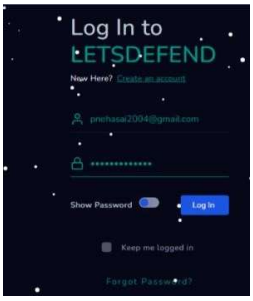
- **Step 5: choose an answers for the given questions**



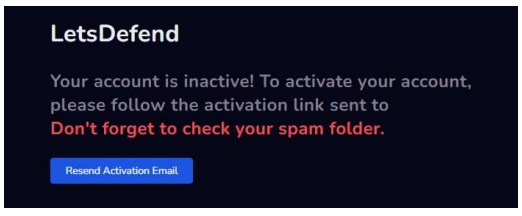
- **Step 6: Click on log in**

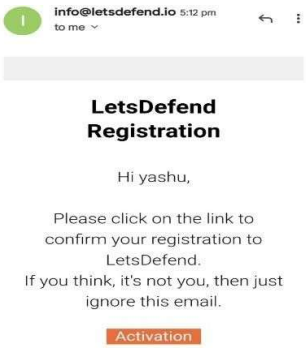


- **Step 7: give an email and password for log in**

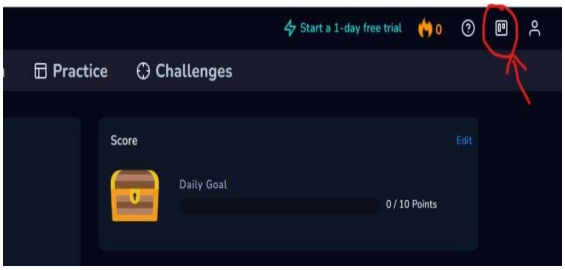


- **Step 8: go to gmail in your mobile for activation and Click on Activation**

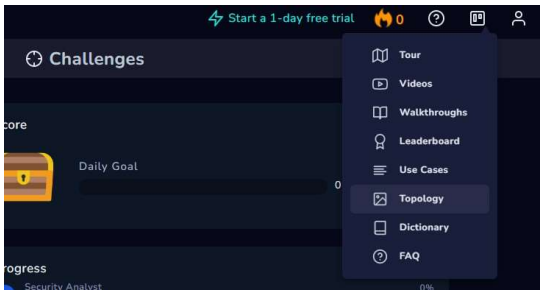




- **Step 9: Click on the Square Box**



- **Step 10: Click on Topology**



- **Step 11: The chart or the diagram will be displayed on the screen**