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Ans 1 Problem statement :- Find any 3 security aspects of the Google account.

Objective :- A google account is the key to accessing all the Google's products and services many of which are free. Signing up for a google account is a quick process, but need to give out some personal information. So the main objective is to control the information for google account holder.

Activity :-

(A) Create a Google Account to Access to many Google products :-

Step 1 :- Go to the official site of google account for sign in.

Step 2: Click on Create Account and create your google account by filling Necessary Details.

Step 3: Create password for your account.

Step 4: Account created successfully.
My email id is Virendra459@gmail.com

⑥ Change your google Account password.

1- open your Google Account you might need to sign in.

2- Under "Security" select signing in to Google.

3- choose password you might need sign in again.

4- Enter your New password then select Change password.

few-things to Remember before changing the current password.

Password should be unique.

Password should have special characters.

⑦ Check google ~~on~~ Privacy Policies:-

you can take a privacy checkup And choose the setting that are Right for you.

- ✓ Automatically Delete web and app activity
- ✓ Automatically delete Location history.
- ✓ Make a plan for your account.
- ✓ Review setting for face grouping
- ✓ Check third party access.
- ✓ Review your ad settings.

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Ans 2

Problem statement :- Analyse the
3 - Security aspects of the browser.

Objective :- To understand the security
aspects of web browsers.

Activity :- Why - Secure - your - web
browsers?

web browsers are used so frequently, it
is vital to configure them securely.
Often the web browser that comes
with an operating system is not set
up in a secure default configuration.
~~Configuration~~ Not securing your web
browser can lead quickly to a variety
of computer problems caused by anything
from spyware being installed without
your knowledge to intruders taking
control of your computer.

1 - Google Chrome !
① web - browsers features and risks

features :

1 - Task Manager :-

Chrome has its own task
manager that shows you how much memory

and CPU Usage — each tab and plug-in is using. you can open it by clicking Shift — Esc from within Chrome. you can get more Details by clicking the "Stats for Nerds" link on the Task manager and it will open a Page with a full breakdown of memory and CPU Usage for each process ~~for~~ within the ~~Process~~ web browser.

2 - one-box for search address and history
~~There~~ Instead of having separate input boxes for the search bar and the address bar Google has united the two in Chrome. Google also added history to the equation so you can type something like "techrepublic" in the box and it will suggest the techrepublic.co Home page as well as other Recently Visited Tech Republic Pages.

③ Upgrade — tabs : — In Chrome you can Drag it back to the Main window. This is called "Dynamic Tabs". Also, by Default, the "New Tab" Page in Chrome features a page that shows thumbnails of your most visited web sites, a list of your Recent Bookmarks, and a search your history.

Risks :- ✓ Google gets access Not just to your search history, but also your Browser history.

- ✓ They could serve annoying ads via chrome.
- ✓ They could use Chrome to spy on computer usage habits.
- ✓ Google could choose to sell the data they collect instead of protecting it & sometimes using it for useful things.
- ✓ They could use your webcam/microphone to spy on you or collect more data.
- ✓ They could parse the web pages you visit and get a sense of exactly what you do on the internet. @

(b) Need - of - chrome sign-in :-
By signing through google account in chrome you can easily access all the facilities provided by chrome like Net Banking.

(c) Safe - Browsing :-
Safe - Browsing protects you and your devices from dangerous sites.
Steps -
Step 1 - Open Google Chrome.
Step 2 - Go to the settings.
Step 3 - Now, Click on Show Advanced settings.
Step 4 - Check "protects you and your devices from dangerous sites."

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Q3

Ans

Problem statement :- Write a program to implement OTP (One time Password)

Program :-

~~import math, random~~

~~def generateOTP():~~

~~digits = "0123456789"~~

~~OTP = ""~~

~~for i in range(4):~~

~~OTP += digits[math.~~

import math, random

def generateOTP():

String = '0123456789abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
FGHIJKLMNOPQRSTUVWXYZ'

OTP = ""

length = len(String)

print ("OTP Generation")

for i in range(6):

OTP += String[math.floor(random.
random()*length)]

return OTP

if __name__ == "__main__":

print ("OTP length 6: ", generateOTP())