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Course: - BCA

Section: - C

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Subjects: 9T Security And Cyber Laws.

1. Find any 3 security aspects of the Google accounts.

Ans. Objective: It google account is the key to accessing all of google's brounds and sorvices, may of which

one free. Singning up for a google account is a quick

Activity

(A) Create a gorgle Account to access to many google product. Stepl: Go to the official site of google account for

sign in.

Step 2: Click on create Account and create and your google account by Jilling necessary details.

Step 3:- Create parmord for your account.

Stept - Acrount Created Sucressfully.

My email id is tanmaychauhan @ gmail.com.

- V (B) 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 pausword. 4. Enter your new password, then select change password.
 - (C). Check Google Privacy Policies.

You can take a privary checkup and choose the setting that are right for you:

- 1. Automatically delete web and Abb Activity.
- 2. Automotically delete Location History.
- 3. Make a plan form for your account.
 - 4. Review setting you jace grouping.

- c. Review your ad settings.
- 2. Write and 3 security aspects of the browsers.

Ans. (A) Safe Browsing:

Safe Browsing protects you and your devices from dangerous

Step 1. Open Google Chrome.

Go to the setting.

Step 3: Now, click on show Advanced settings

Step 4: Check "Protects you and your devices and Irom dongerous sites".

Check information and page content to Google

open Groogle chrome,

Oro to the Settings.

Step 3: Now, click on Show Advanced settings.

Step 9:- Go the to content settings, Here you have mony option like location, camera, microphone etc.

Steps:- Now, you can on all the orices of these options.

(c) check and use of "Do Not Track" request with your brown fnallic.

Step 1: - Open Google charone.

Step 2:- Go to the setting.

- Step 3:- Now, click on show Advoned settings.

Stept:- Non, you can on old their service if you wont.

4. White a program to implement OTP (one time Parsword)

An. impost random

del genorate OTP (length):

Stn = "abidefghijk|mnopq, rstuvwxy2 ABCD EFGHIJKLMNOPARSTUVWXY2 0123456 789";

n = len (str);

```
OTP ......
      for i in range (1, length + 1):
       oTP+= star [ int ( sondom ondom () * 10) % n];
       setum (07P);
       il -- name -- == '-- main -- ';
        length = 6.
        Print (" Your OTP is -", generate OTP (length));
     Encoryption and decrytion using caeser either
Ans. Encryption:
      del enought ( String, shift):
       appea = " 1
      for char in string :
      id char = = 1';
       cipher = cipher + char
      elid char ispipper ();
      cipher = cipher + cha ((ord (chai) + shift-65) %
                  26+65)
```

```
else.
     cipher = cipher + chr ((ord (char) + shi)+-97) 01.26+97)
  return aphen
text = input ("enter string:")
s = int (input ("enter shift number:"))
print ("oringinal string:", text)
print (" after energyption: ", excrypt (text,s)).
Decry & tion
ded decrypt (aphentext, key).
  8esult = 11
 for in marge (len (ciphertext)):
   chan = ciphentex+ [ ]
  if (char, isupper 1)).
   ruil+ += chr ((ord (dor) - Key-65) 1.26+65)
   else
    result = chr (lord (clan) - Key - 97) % 21 + 97)
     return result
```

3.

```
Ciphentext=
  key = 2
 Print ("Text:" + ciphentext)
Print (" stift;" + str (key))
Paint ("capter: "+ decrypt (captertext, key))
   Enoryption and decryption of the vignere ciphere
    de J generat key ( String, key);
     Key = list (Key)
     if len (String) = = len (key):
     return (key)
      else:
      dori in rome (len (string) - len (tey)):
       Key. append ( key [ i ol. len ( key )])
       return (" ". join ( Key ))
     dy encryption (string, key):
      encypt-text = []
      for in songe (len (string)):
```

X = (ord (string [i]) + ord (Key[i])) 1/026 1C+ = ord ('A') encrypt_text.append ((1+(x)) deturn (""- join (entry bt - text)) def decryption (enorght-text)): . ong - text = [] Jor 1 in ronge (1en (englist -text)): orig text = () X = (ord (encrypt - text [i]) - ord [key [i]) + 26) 1/26 x + = ord ('A') orig - fext · append (chr(x)) return (" ". Join (orig-text)) 1/- Nome - == 11- moin - 11; string = input (" Enter the memoge.") Keywood = input 1" Enter the Keywood: ") Key = generatekey (string, Keywood)

.1

H

enought -text = enoughtion (string, key)

print (" Enoughted message: ", enought - text)

print (" Decrypted massage: "; descryption (enought - text

, key)).