NAME- AYUSH KUMAR COURSE- B.SC(17) SEM-UI
ROLL NO- 1022730(20) SUBJECT- INFORMATION SECURITY
CL CYBER LAWS

01

(i) CROSS. SITE SCRIPTING (XSS)

Choss site schipking tangets an application.

Usens by injecting code usually a client-side

Schipt such as Javaschipt. into a web

applications output. The concept of xsc is

to manipulate client-side schipts of a web

application to execute in the manner desired

by the attacken. XSS allow attackers to

execute schipts in the wickin browsen which

can hijack user sessions.

(ii) SQL INTECTION

sql injection is a type of web application.

security vulnerability in which an attacker

attempts to use application code to access

NAME-AYUSH KUMAR COURSE-B. S.(M) SEM-UI
COIINO-1027730(20) SUBSECT-INFORMATION SECURITY
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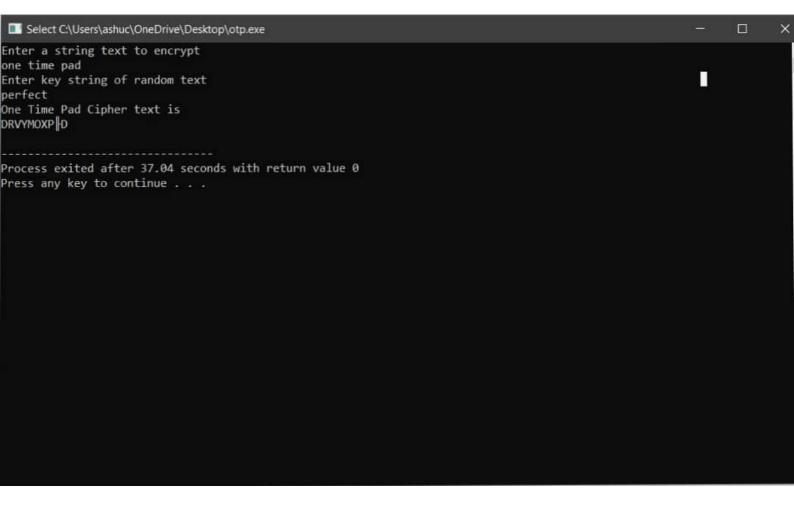
(11) BROKEN AUTHENTICATION & SESSION MANAGEMENT Broken authenfication & session management. emapass several seconity issues, all of them having to do with maintaing the identify of a usen. exedentials and session identifiens are not protected on attacked can higack them. (?v) cross-SITE REQUEST FORGERY (CSRF) CRSF is a malicious thek attack where a usen is thicked into performing an action he on she didn't intend to do. A thind-party website will send a prequest to a web application that a user is alberdy

authento Realld against

Scanned with CamScanner

```
NAME-AYUSH KUMAR. ROHNO- 1022730(20).
COURSE-BISICITY
     # include < stdio.h>
     # include & string. h?
     # include < ctype. h>
       main()
        int f, j, 1802, nums + x [100], numkey [100],
       numciphen [100].
      chan sta [100], key [100], ciphes (100);
      byjutt ("Euthy a 24xind that to euryaly /v");
     det (,272).
     fox (i=0,j=0; i< 5+x1en (5+x);i+t)
     E : ( 247 ( 1) [ = 1, )
           SAN[j] = NUPPEN (SAN[i]);
           j++;
      8-12 [ ] Je101.
      For ( = 0; ( Stribu ( Str); 1++)
         Nomedy (;) - 81) L; ) - (4,
```

```
NAME-AYUSH KOMAR ROLL NO- (022730(20)
                                                    (2)
  busutt (((Euter Ken 2445, ud of 2004 gow text /V.,).
  5945 ( Kes);
  for (1=013=0; 3 c strien (key) 13++)
     if ( key[ ; ] = 61 )
        M Key (i) = touppen (Key [i];
        1 ++ i
     Key[]= (10"
     (i=0; ics+x1en(key); i++)
         3 numkey (i) = Key (i] - (A')
       FOR ( = 0; i < Strien (sin); itt)
        2 numcipher [:] = numchat i) + numkey [:).
       Pox (1=0; 1< 5-12160 (512); 7++)
        5 = t (unucibrez (1) > 52)
          2 numaphen [: ] = nom ciphen [i]-26;
        Printf (" one time pad cipher text is In");
```



04

0

PASSLORD MANAGEMENT - Password are a set of strings provided by users at the authentication prompts of web accounts. Although password skill remain as one of the most secure methods of authen kicakien available to date. The role of password management comes in handy there. passeured & management is a set of principles and best practices to be followed by users while storing and imanaging passuodes in an efficient manney to secure passoonds as they corprevent ounquithoxized access.

PASSUORD MANAGEMENT USING FREE ONLINE TOOLS

Le LastPass - This is free password manager.

It offers onlimited storage on multiple devices

It offers password auditing, 2FA compatibility

password sharing and buittin authenticator from

NAME- AYUSH KUMAR ROLLNO- 1022730 (20)

The state of the s

(2)

2. Robofoam - It is usen-friendly with on excellent form filler and unlimited passecond storage one one device. Check the vault for weak passwords, receive emergency access, Organise bookmark, and send login to other USEAS.

3. Bitwarden- Bitwarden uses Afs-256 encryption to protect the data stored in your passions Vacit. Your information is only an encrypted, and only locally on your device, once you've logged into your vault with master key.

4. is kicky password - It provides usa portability and brome tric luger , but we have to upgrade for mulk-device sync.

5. Avina Password Manager - It includes biompthic logins, a built in 2FA quettenticator, and a CPII - functioning auto-saving and auto-filing. capability.