Name: Manisha Pana Course: BS((IT) (th Sim Rallno: 1022742(32) Subject: Informat security and cybir law

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Am The different types of undnerabilities are:

- · Cross-site Request forgery (CSRF)
- · SQL injection
- · (ommand injection
 - · Cron sili pripting
- "The cross site lequest forgry (CSRF);

 tame from the cross site. The CSRF attacks trick
 site were so ad minstrators to unknowingly perform
 malicious actions for the attacker.
 - e the Willmahl offices.
 - · userprofile page
 - . change order walnes and product prices
 - · Chang was parspords to bejack accounts
- · SQL injution:

sql injution sudmensbillies refers to once in nubsite when direct user in put is passed to a database. injut— occurs when the sure input is part to an interspet as a part of purisher commend or query and trick.

the interpretary into executing unintended normands and gives access to knowthensed data

- · injusting mailierans/ spam ports into r sili
- · plealing customer information
- a URLs interacting with the database

· (om mand injustion:

In command injection undrenabilities allow attackers to runolaly gas and execute code on the metaster hosting secure. Command injection attack are particularly withical because they can allow bad actors to initiate the fallowing:

- · Hijad an polise site
- · Williz the hijarked server in bothert attacks

· Grow site swifting :-

of the from pili peripting is also shortly known as

It occurs when attacken is jet snight through ensaities user input or other fields on a mubsike.

- · Disson hjjarking
- · Spar content being distributed to unsuspering visitors.

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 Cause: BSC (JT) 61 Jen
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                                               surity and cylin lan
Q2
Am
     # include (shdio.h)
     # includ (String.h)
     # include (Chypen)
      int main ()
        int i, j, han 1, lore, nunstr[100], runkey[100],
         runcipher [100];
        Char str[100], key [100], cipher [100];
         print ("Enter plain text" \n");
          gus (Shr)
          (0 (3=0 'j=0; i< strlu(str); i++)
            y(sh([][='')
             Str[j] = toupper (Str[i])?
         SH[]] = 10,3
```

for (1=0; i < Strlen (Str); i++)

{

numstr[i] = Stro [i] - 'A';

printf("(ntr, the key A \n");

gets (key);

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```
(in (ino; ino; installa (kg); its)
   of (key rist = "1)
     Kry[] - toupper (key[i]);
      1411
   Key []] = 1 /0);
    ros (i=0; icstrlen (ky); i++)
       Memkey [i] = Key [i] = 'A';
     for (i=0 ; iz StoLu (sto); i++)
       numcipher[1] = numstr[1] +numky[1];
     for ( i=0; i < str/(str); i++)
        4 (numapher [i]>25)
         numalphir [1] = numalphir [i]=26);
    points (" one time pad cipher text is In");
       For (i=0 ; i < stolen (str); i+4
```

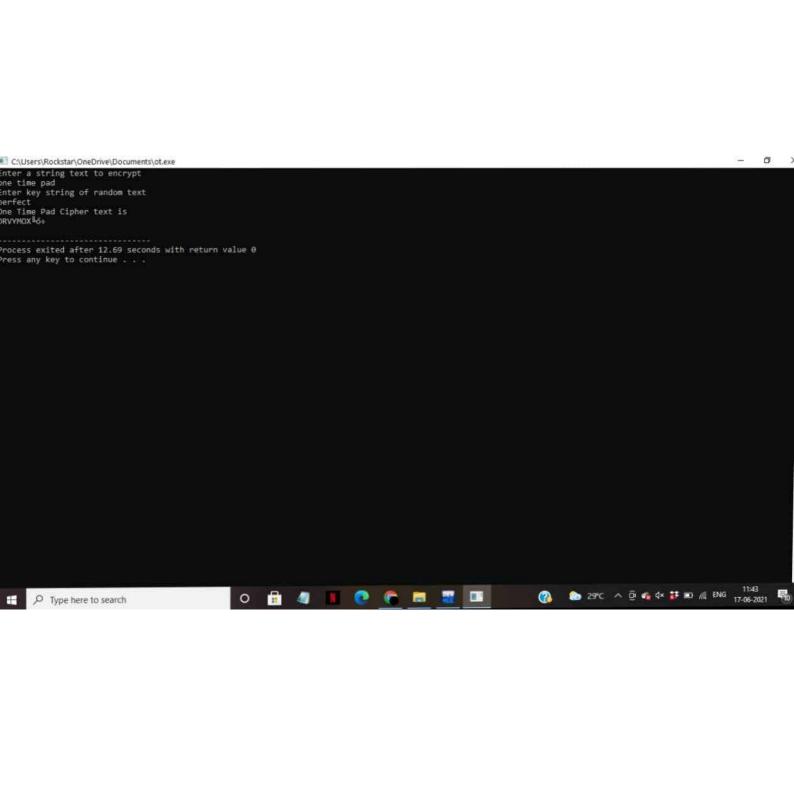
Mush

print ("I.C", (numaphra [i] t'A');

}

print ("In");

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An pannord management:

orthop ten a was. brownsong atter

pan word management is the process of pecuning and managing pan words shroughout their life cycle form creation of plosure by adhering to a set of sustainable practices. The role of panesons management roomes in hardy them, it is a cet of principle and practice to be followed by when while storing and managing panesons officies in an effectivent manner.

- · Different type of passwood management softwar are:
- · Keepan: It a free and open Downer Deeptware
 which helps you in storing passwords in a ringle
 database, accertable vering a master password.
- o larrord paje: parmord paje in a single and highly secure parmord management software which works using Ms. Luindows platform with the help of software.

Muile

Enpan: It is an open source software which is compatible with multiple devices like disktope Mobile, table etc.

Bit warden: It is an open source passwood rangement software, which allows everyon, to review audit, and rontribute its code base fuely. it include powerful sharing features in a burstness organization or families for personal use.

Psono: forono is a self-hosted password menager meant for beams. It allows multi-luce enception. including when side enception Layer.

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