Name- Aorgan love subject - Pufor & Security (CAB)
ROHNO - 102211 | 01 and sem practical.
Course - BSC IT 6TH

Date - 17/06/2021

1) The different types of vulnerability for hacking a website or web afflications are;

O Soi Pufection Attacks

1 Cross sile scrifting

(I) Cross site Request forgery (CSRf)

(10) Broken authentication & session management D Security Mis configuration.

1) SQL Pujection Attacks

Nyfeetion is a seq security vulnerability that allows

an attacker to atter backerd SQL stakements.

by manufulating The user sufficed data.

(2) Cross site scripting

H is also known as XSS.

XS vulnerabilities toaget scrifts embedded in a.

Page Rad are executed on The client side. i.e.

Wer browser rather Thom out The Server side.

These flaws can occur when The afflication

These thanks can occur when The afflication

These wutrusted data & send if to The

Web browser without proper valisation.

## (m) Cross site Request forgery (CSRf)

It is a forget request came from The crosssite CSRf cittered is an attack that occurs whom a malacious weeksite, email, or program causes a weeks brower to perform an unwaited action on a trusted sike for which the use is currently authentificated.

## (10) Broken multhentication & session Management.

The website usually created session cookie of session 1D for each valid session, & These cookies contain sensitive data like user name pusued, etc. when The sension is ended enther by logard or browser closed absorpty, These cookies should be invalidated i.e for each service there should be a new cookie.

(v) Security Mis configuration;

It must be defined & defloyed for The afflication framework, application leve, web server, database server, I platform. If These are properly configures an attacker can have unauthorized arresto sensitive data or functionality.

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subject - Info & cybersecurity Lab
 Name - Aarque Rana.
                                End som fraetleal
Rollino 1022711 01
Course - BSC IT 6th sem
Date 17/06/2021
    WACP to sufferent OTP.
  # Puchele cetalio. hs
  # gudlele ( stry. 11)
  # Quelide ( Ctype. h)
   Pul moin ()
    Put i, j, den, denz, numstr [100], numkey[100], numiphelia];
  Char str [100], key [100], cipher [100];
  printf ("futr a string text to encrypt \n");
   gets (str);
  tor (9=0 j=0; ic strlen (str); it)
     ef (str[i];= ")
            + oupper (str (i));
   SM(3) = 10";
  for (9=0; icstrlen(str); itt)
   num str[] = str[] -A';
 privite (" tuter key string of random text (n");
  for (i=0,j=0; icst/1cu(pey); i+1)
  ( key [] = to upper (key []);
```

```
Br (8=0; 82 stren(8+); 8+1)
                                                                                                                                                                                                                                                                                   for (P=0; "cst/len(key); 194)
                                                                                                                                                                                                                                                                                                         Key [3] : 10;
3 print ("\n");
                                                                     print (" One time Pad Cipher text & In");
                                                   for ( P=0; P<strlen (St); P++)
                                                                                                                                                                                                                  € (8=0; 828+1en (8+); 8+)
                                                                                                                           if (nuncipue (i) 225)
                                                                                                                                                                                           numapher (i) = numstr(i) + number(i):
                                                                                                                                                                                                                                                 numbery [] = key [9] · A';
                                                                                                     numcipher [] = num cipher [] - 26;
                          print ("%(", (numaphe (i) + 'A'));
```



enter a String text to encrypt
one time pad
Enter key string of random text
perfect
One Time Pad Cipher text is
ORVYMOXPD

Process exited after 12.02 seconds with return Press any key to continue . . .

Name- Aaryak Roma Rollno- 1022711 /01 Course- BSC IT 6745em Dale- 17/06/2021

subject - Info. & cyber security (LAB)
and sem practical.

Desserved are a set of strings provided by users at The antheresteation prompts of web accounts.

Although password still remains as one of The most sewer methods of authoritication available to date, They are subjected to a number of sewrity threats when mishandled. The rise of fusivord management come in handy there.

Pusword management is a set of principles of best practiced to be followed by uses while storing & managing passwords is much as they can be prevent unarthorized access.

There are many challenges in security pulswards in This augital era. When The no. of web services used by individuals are increasing years - over - years on one end, The no. of cyber crimes are also skyracketry on The other end.

Here are a few romann . Threats to praketry our passwords?

1

Degla spoofingt

Paswords are Pllegally collected Through a fake

logh page by cybercriminals

faction at with tools like key loggers.

(III) Brute force attack!

Stealing pussioneds with the Melf of automated tools & gaining acres to user data.

Data Breacht

skaling legin credentials & other confidenciality clock

alrectly from The website autobase.

L