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litik lana.

Anst Different Types of vulnerability for hacking a website on is

(i) usel injection. — usel injection in a typeay a web application sexturity velnerability in which an attacken attempts to use application code to access or convert database contentent. It allows attacken to create, read, update, attacken or delete data stored in the back-end database.

(ii) Choss with white

Chan wite whipping (XSS) trangels an applications used they injecting code usually a client-wide whipper which as Java souriest into a web application output. The consept of XSS is to manipulate client-wide souries of a web application to execute in a manner durined they the attacker.

XSS allows attackers to execute souries in the victim throwsen which can chijack user session.

Whik lava

- Broken authentication & Jewion Hanagement: I Broken authentication & Jewion Hanagement encomposs veveral esecurity usulu, au of, them showing to do with maintaining the identity of a user I authentication credentals and version identifiers are not protected at au etimes, an adacker can unificial an active session and adsume the identity of user.
- ill Insecure direct abject References It is when a web application expanses a unjerince to an internal implementation object. Inturnal implementation. Object include fire, database uncords, objectories and database keys. When an application exposes a unjerinal to one of these objects in a URL, hacker can manipute it to gain access to a weeks personal data.
- (ambrowise.

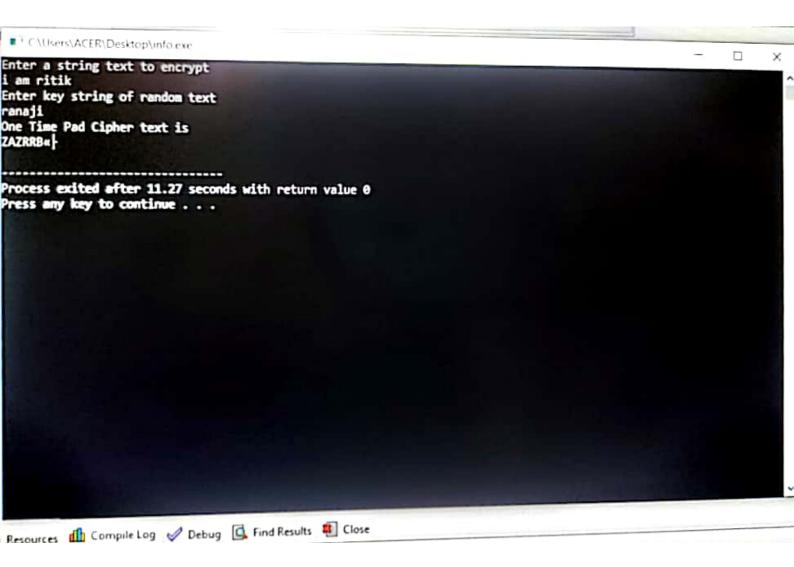
hiriklara

```
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                                                           0
       It include Latdio. h>
Ansa
          include & string. h >
       # include < ctype. h>
        main ()
        ٤
        int i, j, durz, numstr[100], num key [100], num cipher
        chan str [100], key [100], cipher [100];
        printf ("Enter a string dext to energypt");
        gets (str);
        tor (1=0; j=0; 1 < estrlen(str); i++)
        ) ( " + = ; ( !) + ( )
            ustr [j] = toupper (str [i]);
            j++ ;
        Str tj] = ' \0';
       for ( i =0; i < estrien (str); i++)
           numstr [i] * Str [i] - 'A';
        print ( " Enter a string of random text In ");
         gets (Key);
         for (i=0; j=0, i < strien (key); i++)
                if ( key [1] ! = 1 1)
```

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Name- RIHK Rana

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Name- RIHK Para Pau no. 1022754 (44)
                                           BICCIT) 6th.
      Kcy []] = toupper (key [i]);
       111;
   key []]= "10";
    for (i=0; ix strien (key); i++)
        numkey [i]: key [i] - 'A';
     for (i =0; ixstrien (cir); itt)
     numcipher [1] = numstr[i] + num key[i];
    bor (1=0; ikstrien (str); itt)
       il (num ciphen [i]>25)
           num cipher [i] = numcipher [i] - 26;
     printy (" one time pad cipher text in In");
      for (1=0; i estrten (str); itt)
         print f (" v.c", (numcipher [i]+ 'A'));
        Print ("1");
```



Possword management - Passwords are set of string provided by user at the authentication prompts of web account. Athough password will remains as one of the most secure meathed of authentication available to date, they are bubjected to a number of security threats.

when mistiander. Password tranagement is a set of principales and west precetus to be followed by user by the user while storing and managing password in a effecient transer to secure password as much as they can to prevent unauthorised access.

Parsword Management wing Tree online tools.

- <u>Compatibility</u> possword whating 2 FA

 Compatibility possword whating & built in
- Deliva Password Manager. It give unlimited storage on unlimited devices, plus intuitive interface. It include whometric dogin built in 2FA authenticator and well functing autousawing and auto filling capability.

Vint laur

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- Robo Form. It is a user friendly and excellent form biller and unlimited personant storage on one device. Theck the value for weak possioned success organise bookmark. I used dogin to other wer.
 - (i) Bitwarder. It was AES-256 croupption to protect the data stored in your password value. Your information is only unercrypted & only socally on your durice once you've logged into your value with master key.
 - (3) Whicky possword. It provides us a portability and wiometric dogin where we have do upgrade for muri device chapter.

Littler -