

C:\Users\hp\Documents\onetimepad.exe

ject

Class

Enter a string text to encrypt

one time pad

Enter key string of random text

perfect

One Time Pad Cipher text is

DRVYMOXPD

Process exited after 12.02 seconds with return

Press any key to continue . . .

Compiler

Advanced

Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hp\Documents\
- Output Size: 129.9423828125 Kib
- Compilation Time: 3.92s

line: 40

Col: 3

Sel: 0

Lines: 59

Length: 949



Type here to search



'enter plan txt

dsadsadasd

dsadsadasdzzzzzzzzzzzzzzzz

d o z z z

s d z z z

a a z z z

d s z z z

s d z z z

*/

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(Q1) Ans: diff type of vulnerabilities.

i) SQL Injection → is a security vulnerability that allows an attacker to alter backend SQL statement by manipulating the user supplied data.

SQL injection occurs when the user input is send to an interpreter as part of command or query and trick the interpreter into executing unintended commands and gives access to unauthorized data.

Implication

- An attacker can inject malicious content into the vulnerable fields.
- Administration operations can be executed on the database.

Vulnerable objects

- JSP fields
- URLs interacting with the database



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- CROSS SITE SCRIPTING → is also briefly known as XSS.

xss vulnerabilities target scripts embedded in a page that are executed on the client side i.e. user browser rather than at the server side. Attacker can use XSS to execute malicious scripts on the victim in this case victim browser. XSS is an attack which allow the attacker to execute the scripts on the victim's browser.

Implementation →

- making use of this security of this vulnerability an attacker can inject script into the app can steal session cookies deface websites and can run malwares on the victim's machine.

Vulnerable object

- IP field



CROSS SITE REQUEST FORGERY → is a forged request come from the cross site.

CSRF attack is an attack that occurs when a malicious website, email or program causes user's browser to perform an unwanted action on a trusted site for which the user is currently authenticated.

A CSRF attack forces a logged - on victim's browser to send a forged HTTP req., including the victim's session cookie and any other automatically included authentication info. to a vulnerable web app.

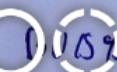
Implication →

using this vulnerability as an attacker can change user profile info, change status, create a new user on admin behalf etc.

Vulnerable Object

- User profile page
- User account form

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```

Q2-Ans) #include <stdio.h>
#include <string.h>
#include <ctype.h>

main ()
{
    int i, j, len1, len2, numStr[100], numKey[100],
        numCiper[100];
    char str[100], key[100], ciper[100];
    printf ("Enter a string text to encryption\n");
    gets(str);
    for (i=0, j=0; i<strlen(str); i++)
    {
        if (str[i] != ' ')
        {
            str[j] = toupper(str[i]);
            j++;
        }
    }
    str[j] = '\0';
    for (i=0; i<strlen(str); i++)
    {
        numStr[i] = str[i] - 'A';
    }
}

```



scanf("Enter key string of random text(m)");
gets(key);

for(i=0, j=0; i < strlen(key); i++)

{

if(key[i] != ' ')

key[j] = "A";

i++; j++;

if(str[i] == ' ' || str[i] == '\n')

numKey[i] = key[i] - 'A';

j++;

for(i=0; i < strlen(str); i++)

{

numCipher[i] = numPtr[i] + numKey[i];

j++;

for(i=0; i < strlen(str); i++)

{

if(numCipher[i] > 25)

{

numCipher[i] = numCipher[i] - 26;

j++;

{



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```
printf("One Time Pad Cipher text is \n");  
for (i = 0; i < strlen(str); i++)
```

2

```
printf("%c", (numcipher[i] + 'A'));
```

3

```
printf("\n");
```

3

3



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```
Q3-PW
#include <stdio.h>
#include <ctype.h>
#include <string.h>

int main()
{
    char Plantxt[100], ou[5][5];
    char *tempxt[] = {"zzzzzzzzzzzzzzzzzzzzzz"};

    printf("enter Plantxt\n");
    fflush(stdin);
    fgets(Plantxt, sizeof(Plantxt), stdin);

    int k=0, K2=0;
    while (Plantxt[k] != '\0')
    {
        if (isalpha(Plantxt[k]))
            tempxt[K2] = Plantxt[k];
        k++;
        K2++;
    }

    puts(*tempxt);
    printf("\n");
}
```



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K=0;

for (int i=0; i<=j; i++)

{

 for (int i=0; i<=j; i++)

{

 a[i][j] = temptxt[K];

 K++;

}

 for (int i=0; i<=j; i++)

{

 for (int j=0; j<=j; j++)

{

 printf("%c", a[i][j]);

}

 printf("\n");

i++;

j++;

;

i(format) a/b

i("a/b") a/b



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