```
#include<stdio.h>
#include<ctype.h>
#include<string.h>
int main()
      int pts=100, k1, k2;
      char pt[pts], ct[100];
      char t[strlen(pt)], c[strlen(pt)];
      printf("Enter the Plain text:- ");
      scanf("%s",pt);
      printf("Enter the key1 and key2:-");
      scanf("%d%d", &k1, &k2);
      printf("Your ciper text is:- ");
      for(int i=0;i<strlen(pt);i++)</pre>
            if(pt[i] >= 97)
            {
                  t[i] = (((pt[i]-97)*k1)%26)+97;
                  c[i] = (((t[i]-97)+k2)%26)+97;
            }
            else
                  t[i] = (((pt[i]-65)*k1)%26)+65;
                  c[i] = (((t[i]-65)+k2)%26)+65;
            printf("%c",c[i]);
      printf("\n");
      int k1 inv = 0;
    int flag = 0;
      for (int i = 0; i < 26; i++)
            flag = (k1 * i) % 26;
      if (flag == 1)
        {
            k1 inv = i;
    printf("\n");
    char t1[strlen(c)], p[strlen(c)];
    printf("Your decrypted text is:- ");
    for(int i=0;i<strlen(c);i++)</pre>
      if(c[i] >= 97)
            {
                  t1[i] = (((c[i]-97)-k2)%26)+97;
                  p[i] = (((t1[i]-97)*k1 inv)%26)+97;
            }
            else
            {
```

SBOX

```
#include<stdio.h>
#include<math.h>
void main()
      int S1[4][16] =
            14, 4, 13, 1, 2, 15, 11, 8, 3, 10, 6, 12, 5, 9, 0, 7,
            0, 15, 7, 4, 14, 2, 13, 1, 10, 6, 12, 11, 9, 5, 3, 8,
            4, 1, 14, 8, 13, 6, 2, 11, 15, 12, 9, 7, 3, 10, 5,
            15, 12, 8, 2, 4, 9, 1, 7, 5, 11, 3, 14, 10, 0, 6, 13
            };
      //given
      int input[6] = \{1,1,0,0,1,1\}; // convert six bits to 4 bits = sbox
      int c=0, r=0;
      for(int i=0;i<6;i++)
                                     //to get row and column values in binary
            r=10*r+input[i];
            i=i+4;
      printf("Binary row is %d\n",r);
      for (int i=1;i<5;i++)
            c=10*c+input[i];
      printf("Binary column is %d\n",c);
      int x=0, y=0, a=0;
                                                                                //to convert
the above binary to decimal
      for (int i=0;r!=0;++i)
      {
            a=r%10;
            x=(a)*(pow(2,i))+x;
            r=r/10;
      }
      printf("Row is %d\n",x);
      for (int i=0;c!=0;i++)
      {
            a=c%10;
            y=a*pow(2,i)+y;
            c=c/10;
      }
      printf("Column is %d\n",y);
      int n=S1[x][y];
      int bin[4]={};
      //getting the value from S1
      printf("n=%d\n",n);
      printf("binary of sbox is ");
      if(n==0)
      //Converting the Decimal to binary
            printf("0000\n");
```

```
else
            for(int i=0;n!=1;i++)
            {
                   int b=n%2;
                   bin[i]=b;
                   n=n/2;
            }
for
                   (int i=0;i<4;i++)
                   printf("%d",bin[i]);
      }
}
divyang@Divyang:~/CSS$ gcc SBOX.c -lm
divyang@Divyang:~/CSS$ ./a.out
Binary row is 11
Binary column is 1001
Row is 3
Column is 9
n=11
binary of sbox is 1100
```

```
RSA
#include<stdio.h>
#include<math.h>
                                             //source GFG
int gcd(int a,int b){
                                             //calculate gcd
      int temp;
      while(1){
            temp=a%b;
            if(temp==0)
                   return b;
            a=b;
            b=temp;
      }
}
void main()
{
      int p=5,q=7;
                                             //Select 2 prime numbers
      int n=p*q;
                                                   //n calculation
      float phi=(p-1)*(q-1);
                                                   //phi calculation
                                                   //assume
      int e=2;
      while(e<phi){</pre>
            if(gcd(e,phi)==1)
                                             //gcd==1 stop else continue to find value of e
                   break;
            else
                   e++;
      }
      printf("The Value of E is %d\n",e);//e=encrypt
      int d=round(phi/e);
                                                   //d=decrypt (my method similar)(actual
method d=e^{-1} \mod phi
      d=fmod(d,phi);
      printf("The Value of D is %d\n",d);
      int input=10;
      printf("The Input Text is %d\n",input);
      int c=pow(input,e);
                                                   //c=m^e mod n
      c=fmod(c,n);
      printf("ENcrypted text is %d\n",c);
      int plain=pow(c,d);
                                                   //m=c^d mod n
      plain=fmod(plain,n);
      printf("Decryption is %d\n",plain);
}
divyang@Divyang:~/CSS$ sudo gcc RSA.c -lm
divyang@Divyang:~/CSS$ ./a.out
The Value of E is 5
```

The Value of D is 5
The Input Text is 10
ENcrypted text is 5
Decryption is 10

DIFFIE HELLMAN

```
#include<stdio.h>
#include<string.h>
#include<math.h>
int main()
{
      int p,g,pk1,pk2,a,b;
      float k1,k2;
      printf("Enter any prime number\n");
      scanf("%d",&p);
      printf("Enter the primitive root\n");
      scanf("%d",&g);
      printf("Enter the private key viraj\n");
      scanf("%d",&pk1);
      a=(((long long int)pow(g,pk1))%p);
      printf("Enter the private key arjun\n");
      scanf("%d",&pk2);
      b=(((long long int)pow(g,pk2))%p);
      k1=(((long long int)pow(b,pk1))%p);
      k2=(((long long int)pow(a,pk2))%p);
      printf("viraj computes %f\n",k1);
      printf("arjun computes %f\n",k2);
      if(k1==k2)
            printf("%f is a shared key\n",k1);
      else
             printf("It is not a shared key");
      return 0;
}
divyang@Divyang:~/CSS$ ./a.out
Enter any prime number
Enter the primitive root
Enter the private key viraj
Enter the private key arjun
viraj computes 4.000000
arjun computes 4.000000
4.000000 is a shared key
```

MD5

```
#include<stdio.h>
int main()
{
      int n,c,k,cha;
      int buff[448],buff2[64],buff3[512],buff1[64];
      printf("Enter the Character\n");
      scanf("%c",&cha);
      n=cha;
      for(c=7;c>=0;c--)
             k=n \gg c;
             if(k & 1)
             {
                   printf("1");
                   buff[c]=0;
             }
             else
             {
                   printf("0");
                   buff[c]=1;
             }
      printf("\nSeparate\n");
      for(int i=0;i<8;i++)</pre>
      {
             printf("%d",buff[i]);
      }
      printf("\n");
      printf("The Length of the Array is 8");
      printf("\nThe message will be padded to make it 448 mod 512 bits long");
      printf("\nSince the message is 8 bit long. We will add 440 to make it 448 mod
512=448.\nAnd then add 1 and 439 zeros.\n");
      buff[8]=1;
      for(int i=9;i<448;i++)
             buff[i]=0;
      for(int i=0;i<448;i++)
             printf("%d",buff[i]);
      printf("\n");
      printf("\n Now padding rest 64 bits\n");
      k=0;
      n=8;
      for(int i=63;i>=0;i--)
      {
             k=n >> i;
             if(k & 1)
             {
                   printf("1");
                   buff2[i]=1;
```

```
}
           else
           {
                printf("0");
                buff2[i]=0;
           }
     }
           for(int i=63;i>=0;i--)
           {
                buff1[63-i]=buff2[i];
                printf("%d",buff2[i]);
           }
           printf("\n");
     printf("\nThe Final Padded Output\n");
           for(int i=0; i<448;i++)
                buff3[i]=buff[i];
           for(int i=0; i<64;i++)
                buff3[448+i]=buff1[i];
           for(int i=0; i<512;i++)
                printf("%d",buff3[i]);
           printf("\n");
           return 0;
}
divyang@Divyang:~/CSS$ ./a.out
Enter the Character
d
01100100
Separate
11011001
The Length of the Array is 8
The message will be padded to make it 448 mod 512 bits long
Since the message is 8 bit long. We will add 440 to make it 448 mod 512=448.
And then add 1 and 439 zeros.
```

Now padding rest 64 bits

The Final Padded Output

N/W Reconnaissance Tools

google.com.

```
divyang@Divyang:~/CSS$ nslookup google.com
Server:
               192.168.0.1
Address:
                192.168.0.1#53
Non-authoritative answer:
Name:
       google.com
Address: 172.217.27.206
Name:
       google.com
Address: 2404:6800:4009:800::200e
divyang@Divyang:~/CSS$ whois google.com
Domain Name: GOOGLE.COM
Registry Domain ID: 2138514_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: http://www.markmonitor.com
Updated Date: 2018-02-21T18:36:40Z
Creation Date: 1997-09-15T04:00:00Z
Registry Expiry Date: 2020-09-14T04:00:00Z
Registrar: MarkMonitor Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895740
Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited
Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
Name Server: NS1.GOOGLE.COM
Name Server: NS2.GOOGLE.COM
Name Server: NS3.GOOGLE.COM
Name Server: NS4.GOOGLE.COM
DNSSEC: unsigned
divyang@Divyang:~/CSS$ dig google.com
; <<>> DiG 9.11.3-1ubuntu1.5-Ubuntu <<>> google.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 1773
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 4, ADDITIONAL: 9
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;google.com.
                                IN
                                        Α
;; ANSWER SECTION:
                                                172.217.27.206
google.com.
                        134
                                ΙN
                                        Α
;; AUTHORITY SECTION:
                        111988 IN
google.com.
                                        NS
                                                ns3.google.com.
google.com.
                        111988 IN
                                        NS
                                                ns1.google.com.
                        111988 IN
                                        NS
                                                ns4.google.com.
```

_				
google.com.	111988	IN	NS	ns2.google.com.
;; ADDITIONAL SECTION:				
ns4.google.com.	101808	IN	Α	216.239.38.10
ns4.google.com.	61230	IN	AAAA	2001:4860:4802:38::a
ns1.google.com.	153647	IN	Α	216.239.32.10
ns1.google.com.	131684	IN	AAAA	2001:4860:4802:32::a
ns3.google.com.	61230	IN	Α	216.239.36.10
ns3.google.com.	131684	IN	AAAA	2001:4860:4802:36::a
ns2.google.com.	131684	IN	Α	216.239.34.10
ns2.google.com.	131684	IN	AAAA	2001:4860:4802:34::a
:: Ouerv time: 41 msec				

^{;;} Query time: 41 msec

^{;;} SERVER: 192.168.0.1#53(192.168.0.1) ;; WHEN: Tue Apr 23 19:21:14 DST 2019

^{;;} MSG SIZE rcvd: 303

DOS ATTACK

root@Divyang:/home/divyang# hping3 -c 1000000 -d 120 -S -w 64 -p 8090 --flood --rand-source
192.168.0.100

divyang@Divyang:~\$ sudo hping3 192.168.5.177 -d 80

FIREWALL using IPTABLES

```
c502@22D50211:~$ sudo iptables -L -v
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination
Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination
Chain OUTPUT (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target prot opt in out source destination
c502@22D50211:~$ sudo iptables -L | grep policy
Chain INPUT (policy ACCEPT)
Chain FORWARD (policy ACCEPT)
Chain OUTPUT (policy ACCEPT)
c502@22D50211:~$ ping 192.168.5.38
PING 192.168.5.38 (192.168.5.38) 56(84) bytes of data.
64 bytes from 192.168.5.38: icmp_seq=1 ttl=64 time=0.545 ms
64 bytes from 192.168.5.38: icmp_seq=2 ttl=64 time=0.280 ms
64 bytes from 192.168.5.38: icmp_seq=3 ttl=64 time=0.318 ms
64 bytes from 192.168.5.38: icmp_seq=4 ttl=64 time=0.308 ms
64 bytes from 192.168.5.38: icmp_seq=5 ttl=64 time=0.306 ms
64 bytes from 192.168.5.38: icmp_seq=6 ttl=64 time=0.286 ms
64 bytes from 192.168.5.38: icmp_seq=7 ttl=64 time=0.317 ms
64 bytes from 192.168.5.38: icmp_seq=8 ttl=64 time=0.304 ms
64 bytes from 192.168.5.38: icmp_seq=9 ttl=64 time=0.304 ms
64 bytes from 192.168.5.38: icmp seq=10 ttl=64 time=0.313 ms
64 bytes from 192.168.5.38: icmp_seq=11 ttl=64 time=0.288 ms
^C
--- 192.168.5.38 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 9996ms
rtt min/avg/max/mdev = 0.280/0.324/0.545/0.072 ms
c502@22D50211:~$ ping 192.168.5.38
PING 192.168.5.38 (192.168.5.38) 56(84) bytes of data.
^C
--- 192.168.5.38 ping statistics ---
59 packets transmitted, 0 received, 100% packet loss, time 58454ms
c502@22D50211:~$ sudo iptables -A INPUT -s 192.168.5.38 -j DROP
c502@22D50211:~$ ping 192.168.5.38
PING 192.168.5.38 (192.168.5.38) 56(84) bytes of data.
--- 192.168.5.38 ping statistics ---
7 packets transmitted, 0 received, 100% packet loss, time 6046ms
```

```
c502@22D50211:~$ sudo iptables -L
Chain INPUT (policy ACCEPT)
target prot opt source destination
DROP all -- 192.168.5.38 anywhere
Chain FORWARD (policy ACCEPT)
target prot opt source destination
Chain OUTPUT (policy ACCEPT)
target prot opt source destination
c502@22D50211:~$ sudo iptables -F
c502@22D50211:~$ ping 192.168.5.38
PING 192.168.5.38 (192.168.5.38) 56(84) bytes of data.
64 bytes from 192.168.5.38: icmp_seq=1 ttl=64 time=0.302 ms
64 bytes from 192.168.5.38: icmp_seq=2 ttl=64 time=0.286 ms
64 bytes from 192.168.5.38: icmp seq=3 ttl=64 time=0.286 ms
64 bytes from 192.168.5.38: icmp_seq=4 ttl=64 time=0.277 ms
^C
--- 192.168.5.38 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 2999ms
rtt min/avg/max/mdev = 0.277/0.287/0.302/0.022 ms
c502@22D50211:~$ sudo /sbin/iptables-save
# Generated by iptables-save v1.6.0 on Tue Mar 26 12:07:01 2019
*filter
:INPUT ACCEPT [694:105236]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [488:81302]
COMMIT
# Completed on Tue Mar 26 12:07:01 2019
c502@22D50211:~$ sudo iptables -A INPUT -p tcp --dport ssh -j DROP
c502@22D50211:~$ sudo /sbin/iptables-save
# Generated by iptables-save v1.6.0 on Tue Mar 26 12:15:35 2019
*filter
:INPUT ACCEPT [581:128785]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [426:73769]
-A INPUT -p tcp -m tcp --dport 22 -j DROP
COMMIT
# Completed on Tue Mar 26 12:15:35 2019
c502@22D50211:~$ sudo iptables -L
Chain INPUT (policy ACCEPT)
```

target prot opt source destination
DROP tcp -- anywhere anywhere tcp dpt:ssh

Chain FORWARD (policy ACCEPT) target prot opt source destination

Chain OUTPUT (policy ACCEPT) target prot opt source destination

c502@22D50211:~\$ sudo iptables -F

comp@comp:~\$ nmap -sP google.com facebook.com yahoo.com

```
Starting Nmap 7.01 ( https://nmap.org ) at 2019-04-05 11:54 IST
Nmap scan report for google.com (172.217.166.78)
Host is up (0.00037s latency).
Other addresses for google.com (not scanned): 2404:6800:4009:80d::200e
rDNS record for 172.217.166.78: bom05s15-in-f14.1e100.net
Nmap scan report for facebook.com (157.240.24.35)
Host is up (0.00044s latency).
Other addresses for facebook.com (not scanned): 2a03:2880:f12f:83:face:b00c:0:25de
rDNS record for 157.240.24.35: edge-star-mini-shv-01-sin2.facebook.com
Nmap scan report for yahoo.com (98.138.219.231)
Host is up (0.00039s latency).
Other addresses for yahoo.com (not scanned): 98.137.246.8 98.138.219.232 72.30.35.10
98.137.246.7 72.30.35.9 2001:4998:c:1023::5 2001:4998:44:41d::3 2001:4998:44:41d::4
2001:4998:58:1836::11 2001:4998:58:1836::10 2001:4998:c:1023::4
rDNS record for 98.138.219.231: media-router-fp1.prod1.media.vip.ne1.yahoo.com
Nmap done: 3 IP addresses (3 hosts up) scanned in 1.99 seconds
```

comp@comp:~\$ sudo nmap -v -O google.com

```
Starting Nmap 7.01 ( https://nmap.org ) at 2019-04-05 11:54 IST
Initiating Ping Scan at 11:54
Scanning google.com (172.217.166.78) [4 ports]
Completed Ping Scan at 11:54, 0.23s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 11:54
Completed Parallel DNS resolution of 1 host. at 11:54, 0.00s elapsed
Initiating SYN Stealth Scan at 11:54
Scanning google.com (172.217.166.78) [1000 ports]
Discovered open port 443/tcp on 172.217.166.78
Discovered open port 80/tcp on 172.217.166.78
Completed SYN Stealth Scan at 11:54, 8.57s elapsed (1000 total ports)
Initiating OS detection (try #1) against google.com (172.217.166.78)
Nmap scan report for google.com (172.217.166.78)
Host is up (0.00037s latency).
Other addresses for google.com (not scanned): 2404:6800:4009:80d::200e
rDNS record for 172.217.166.78: bom05s15-in-f14.1e100.net
Not shown: 998 filtered ports
PORT STATE SERVICE
80/tcp open http
443/tcp open https
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1
closed port
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux kernel:2.6
OS details: Linux 2.6.18 - 2.6.22
TCP Sequence Prediction: Difficulty=256 (Good luck!)
IP ID Sequence Generation: All zeros
Read data files from: /usr/bin/../share/nmap
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 10.97 seconds
            Raw packets sent: 2053 (92.900KB) | Rcvd: 18 (1.024KB)
```

comp@comp:~\$ nmap -sT google.com facebook.com yahoo.com

```
Starting Nmap 7.01 ( https://nmap.org ) at 2019-04-05 11:54 IST
Nmap scan report for google.com (172.217.166.78)
Host is up (0.00043s latency).
Other addresses for google.com (not scanned): 2404:6800:4009:80d::200e
rDNS record for 172.217.166.78: bom05s15-in-f14.1e100.net
Not shown: 998 filtered ports
PORT STATE SERVICE
80/tcp open http
443/tcp open https
Nmap scan report for facebook.com (157.240.24.35)
Host is up (0.0045s latency).
Other addresses for facebook.com (not scanned): 2a03:2880:f12f:83:face:b00c:0:25de
rDNS record for 157.240.24.35: edge-star-mini-shv-01-sin2.facebook.com
Not shown: 997 filtered ports
PORT STATE SERVICE
80/tcp
        open
                http
443/tcp open
                https
5222/tcp closed xmpp-client
Nmap scan report for yahoo.com (98.138.219.231)
Host is up (0.00037s latency).
Other addresses for yahoo.com (not scanned): 98.137.246.8 98.138.219.232 72.30.35.10
98.137.246.7 72.30.35.9 2001:4998:c:1023::5 2001:4998:44:41d::3 2001:4998:44:41d::4
2001:4998:58:1836::11 2001:4998:58:1836::10 2001:4998:c:1023::4
rDNS record for 98.138.219.231: media-router-fp1.prod1.media.vip.ne1.yahoo.com
Not shown: 998 filtered ports
PORT STATE SERVICE
80/tcp open http
443/tcp open https
Nmap done: 3 IP addresses (3 hosts up) scanned in 8.40 seconds
```

comp@comp:~\$ sudo nmap -sU google.com facebook.com yahoo.com

```
Starting Nmap 7.01 ( https://nmap.org ) at 2019-04-05 11:54 IST
Nmap scan report for google.com (172.217.166.78)
Host is up (0.00057s latency).
Other addresses for google.com (not scanned): 2404:6800:4009:80d::200e
rDNS record for 172.217.166.78: bom05s15-in-f14.1e100.net
Not shown: 999 open|filtered ports
PORT STATE SERVICE
33459/udp closed unknown

Nmap scan report for facebook.com (157.240.24.35)
Host is up (0.00033s latency).
Other addresses for facebook.com (not scanned): 2a03:2880:f12f:83:face:b00c:0:25de
rDNS record for 157.240.24.35: edge-star-mini-shv-01-sin2.facebook.com
All 1000 scanned ports on facebook.com (157.240.24.35) are open|filtered

Nmap scan report for yahoo.com (98.138.219.231)
Host is up (0.00031s latency).
```

Other addresses for yahoo.com (not scanned): 98.137.246.8 98.138.219.232 72.30.35.10 98.137.246.7 72.30.35.9 2001:4998:c:1023::5 2001:4998:44:41d::3 2001:4998:44:41d::4 2001:4998:58:1836::11 2001:4998:58:1836::10 2001:4998:c:1023::4 rDNS record for 98.138.219.231: media-router-fp1.prod1.media.vip.ne1.yahoo.com Not shown: 999 open|filtered ports PORT STATE SERVICE 33459/udp closed unknown

Nmap done: 3 IP addresses (3 hosts up) scanned in 137.63 seconds

comp@comp:~\$ sudo nmap -sU google.com

Starting Nmap 7.01 (https://nmap.org) at 2019-04-05 11:57 IST Nmap scan report for google.com (172.217.166.78) Host is up (0.00054s latency). Other addresses for google.com (not scanned): 2404:6800:4009:80d::200e rDNS record for 172.217.166.78: bom05s15-in-f14.1e100.net Not shown: 999 open|filtered ports PORT STATE SERVICE 33459/udp closed unknown

Nmap done: 1 IP address (1 host up) scanned in 10.53 seconds

BUFFER OVERFLOW

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
void main(int argc, char *argv[])
{
      char buffer[8];
      if (argc < 2)
                   printf("strcpy() NOT executed....\n");
                   printf("Syntax: %s <characters>\n", argv[0]);
                   exit(0);
      }
      strcpy(buffer, argv[1]);
      printf("buffer content= %s\n", buffer);
      printf("strcpy() executed...\n");
}
divyang@Divyang:~/CSS$ gcc buffer.c
divyang@Divyang:~/CSS$ ./a.out
strcpy() NOT executed....
Syntax: ./a.out <characters>
divyang@Divyang:~/CSS$ ./a.out avsf
buffer content= avsf
strcpy() executed...
divyang@Divyang:~/CSS$ ./a.out avsffdssdf
buffer content= avsffdssdf
strcpy() executed...
*** stack smashing detected ***: <unknown> terminated
Aborted (core dumped)
```