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Course: - BCA Semester: 6th

Paper Name: - Information Security & Cyber law

Paper Code: PBC-601

#include < stdlo.h> #Proclude (ctype. h> #Proclude (string.h> int main () char meg = "ATTACK FROM NORTH", ch, messaged; ant &, key; prenty (" Enter key":"); scanj (" o/od", & key); for (P=0; message [i] 1 = 1101; et+) ch = message[i]; 9/(ch >= 'a' & & ch <= 'z') is ch = ch + key; 14 (ch > 2') Ch = Ch - 'z' + 'a' - 10 message [P] = ch; Oclse & (ch >='A' & & Chx='z')

```
Ch = ch + key;
1/3 (ch > 12')
  ch= ch-12+1A'-1;
 message [f] = ch;
printy (" Encrypted message is "s \n", message);
for(i=0; message[i]=101; i+1)
ch = message [7];
 % (ch>='a' & & ch <='z')
     eh = ch- key;
   Pf (ch ('a')
     ch= ch+ 121-1a1+1;
   messaged [i] = ch;
   clse & (ch >= 'A' & & ch (= 'Z')
    ch = ch - key;
   of (ch + 'A')
    ch=ch-12'-1A'+i;
```

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messaged [i] = ch;

messaged [i] = ch;

print (') Decrypted Message is %s", messaged);

return 0;
```

```
#include < stdio.h>
# Include < string.h>
 int main ()
   Char meg [] = "CRYPTOGRAPHY";
    char key [] = "MONARCHY";
     Int meglen = stolen (meg), keylen = stolen (key), in, i;
    Char newkay [msglen], enmsg [msglen], demsg [msglen];
     for (9=0,0)=0; cz msglen; ++2, ++1)
         if ( ) == keylen )
            N=0;
           newhey [i] = key [i];
       newkey [0] = 10';
      11 encryption.
      for (1=0; Exmeglen; ++1)
         enmsg[9] = ((msg[9] + newkey[9]) °10 26) + 'A'.
        enmsg [i]=101;
      11 decryption
      for (P=0; ezmeglen; ++e)
         deneg [i] = (((enneg[i] - newkey[i] + 26) 0/026)
```

demand [1] = '10';

printy ("Original mag: °10s", mag);

printy ("In Key: °10s", key);

printy ("In New generated key; °10s", newkey);

printy ("In Encrypted mag: °10s", enmag);

printy ("In Decrypted mag: °10s", demag);

return 0;

```
#Include < stolio. h>
#Include < stringoh
#Include < ctype. h>
void main ()
 ent e, j, deni, denz, nunstr [100), nunkey [100],
                                      nuncipher [100];
  chan str [100], key [100], ciphen [100];
  printy (6 Enter a string text to encrypt --- / "");
   gets (stor);
   for(8=0; g=0; exstraten (str); 8++)
     Str []] = toupper (str []);
    Str []= 1/01;
   for (i=0; izstalen (str); it+)
    numstr [i] = str [i] - 'A';
    print ("Enter key string of random dext....lo");
    gels ( key);
   for (i=0 j=0; i< strien (Rey); it)
```

```
if ( key [i] 0; = 1)
  key [j] = to upper ( key [i]);
Rey []]= 10;
for ( = 0; ix strien ( key); i++)
 numkey [i] = key [i] - 'A';
 for ( = 0; 0 < strlen (str); 0++)
  nuncipher [i] = numstr [i] + numkey [i];
  for ( = 0; ic stren (str); it)
   if (numeipher [i] > 25)
    nuncipher [1] = nuncipher [i] - 26;
 grenty (" One time Pad Ciphen text is In");
  for (=0; & strien (str); ett)
  1 prenty (66 90 c", (muncipher [i] + 'A')),
  print (* In");
```