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Mca Answer

Ans-1 Asymmetric key encryption with senden Public Key

Am. 2 Spyware

Ans-3 An authentication of an deceronic record

Ansy Cyber laws

Ans-5 only on alphanumous

And I dear is some title is different

Ans-7 Checksum

And 8 The identifier of the character is changed while its Position remain unchanged.

Arb-9 both b and C

Ansto nove.

```
And -3 Vignore
    eld generate key (string, key):
     Key = list ( key)
    If Len (String) == Len (Key):
       return (key)
   for I in range (len (string) - len (key)):
      Key, append ( key [i'l. len ( key )])
      return ("", Join (encrypt - text))
 del encryption (string, , key):
 en crypt - text = [7
 for i is range ( lan (string )):
  x = (ord (string [1] + ord (hy [1]))1,26
      x = x + ord ('A')
     encrypt - text, append (chr(x))
      return (" ", Join (enveret -text))
```

de decryption (encupt -text - key): Original . text = [] for is in range (an (string)): X = (ord (string [i] + ord (ky (i]))1,26 X = X + 65 Original - text, append (chr (x)) return (" " join (original -text)) If \_ name \_ = = " \_ main \_ ": S = " Cryptography" Ky String = S. Upper 1) Ky = generale to Keyword = "Monarchy" Key = generate Key (String, Keyword) encrypt - text = encryption (string, Kly) Print (" Encrypted myss: ", encrypt-text)

Akarh

(4

Ans-4 OTP

import math, random

del generateotp():

x = " 0123456789"

OTP = 11 11

for i in range (4):

OTP = OTP + X [ math.floor (random. random 1) = 10)]
return OTP

1+ \_ name == " \_ main = "

Printf (" OTP of 4 digit is", generate of P1)

Akash

Key (Key)

```
Encyption and decryption using causes cipher
del encryption ( Plain text key):
            energy = " "
           for cin plaintext:
         il c-isupper ():
     c - index = ord (1) - ord (A)
      C. shifted = (C_inder-+ Key) *1.26+ ord ( A1)
         C. news Chr (C. swifted)
          enceypted + = c. new
      de cislower ():
          c. index = ord (1) - ord (0)
           C. Shifted = ( C. indix + Key) 1. 24+ ord ( 0)
           C , new = Chr (c, Shi Hed)
              encypted+ = cincul
       else e, is digit ():
              C. new = (in+/e)+ Key) 1. 10
                 encylhedo = str ( ( new)
          else: encaypted+= C
        Terturn energland
      del decryption ( ciphentert, Key):
                     decupted = " "
                 for a in appendix +1
                                                               Arash
                    i (, 13 gupben ():
                    C. Index = ord (1) - ord (1A1)
                    C. og. Pos = ( e. index - Key) 1/.26 + ord ( " A")
```

c.ol = chr (c.og.pos) decrypted + = c.og elif c.islower ():

C.index = ord(cl-ord('0') C.og. los = (c.index-key) 1.26+ ord ('0')

C.05 = chr ( c.05. Pos)

decompted t = C.05

elil c. isdigit ():

C. 05= (int (c) - Key) 1/, 10 decoupled = str (C.05)

return decrypted

Plain-text = "Attack from North"

Cipher text = chenyption (Plain.text, 4)

Ptint ("Plain text merroye: (n", Plain.text)

Print (" Encrypted cipher text: (n", ciphertext)

find ("The decrypted manager is; In", decrypting)

Avan