NAMES AKASH COURSES BOA-A STM-6 KOLLNO-1121007 SUB-INFO SECURITY AND CYBER LAWS PRAZTICAL

& > Mcgs

1) Asymmetric key encryfton with Sender Publickey

2) c. Slyware

3) An authentication of an electronic record

4) c. Cyber laws

5) a. Only on alphanomeric

6) Idea Pn Same the title is different

to a. hash Value

8) The fosition of the character is changed ingliked its identity.

9) both band a identity.

o) none

NAME: A MACH COURSES BLA-A-6 ROLL NOS 1121007
Q3 V! genere Cipher
def generate keylstong, key):  ley = list   key)  if len (stong) = = len (key):  Cetorn (key)  else:
if len (Stong) = = len (key):
else:
for i'm range (len (String) - len (key)):
ney affend ( key [i. 10 len (key) ])
copper text (string, key):
Cipher-Tex+=[]
for i in range (len (string)):
X==091. X==(029 Strud[3] + 029 (166/[3])).1058
$x + = oxcl^4A^4$

Ther-text affend (cho(x)) return (" ". Join Capper-text)) # function for decry Pting det Orginal text (ipher-text), key): Org-text = [] tor i in range (len(Cipher-text)): \*= lord (chip X= (ord (Capher-text [i]) - ord (Key [i]) +26) do 26 X+ = 029 (U) origitext. afford (chrtx)) retorn ( " join (origitent)) # Driver Code if - nome - = = - main - 4 ; Stoing = " Caypto Graphy" Keyword = "monarchy" Key = generate Key (String, Keywood) Print (" ciphertext: ", cipher-text) Print ( "Orginal | Decrypted text ", ", Original text ( Cipher-text, key)

## NAMESAKASH COURSESBCA-6-A ROLL NO-1121007

# impost placard 04 impost math . sondom Attenction to Generate OTP det generate OTP (): # Declare a digits Variable # Which Stores all digits digits = "0 1234567894 OTP = 11 - 11 # length of Password can be changed # by changing Value in range for & be saude (A): OTP+ = digits [ math. floor (random. Kandom) (1 x (0)) return OTP # Driver code if -- name -- = 4 - - main -- 4. Print L'OTP of 4 digits: ", generale OTPU)

NAME: AKASH COURSE: BCA-6-A ROLL No: 1121007 QE Implementing of Encryption and Decouption Using Caeser Capher =) def encryption[Plain-text, Key): encrypted = 4 for c in plain-text: If Cisupper(): C-index=ord(c)-ord('A') C-Shifted=(c-index + key)olo 26+ ord ('A') C-new=chr (c-shifted) encry Pted+ = c-new · Cy C-Pslower(): C-Index = ord (c) - ord ('a') C-Shifted = (c. index+ key) d. 26+Ord(a') C-new= chrlc-shifted) encoupted + = C-rew

ent cisting (): elif cisdigit 1): C-new = (int (c)+ key) dolo encrypted + = Str(c-new) else à encrypted + = C them encryfted det decryption (aphertext, key); decryfted = " for can cappertext: if Cisopper (): Gindex = Ord (c) - ord (A) C-09-Pos = (C-index-bey) 1.26 + Ord(A') c-og = chr(c-og-Pos) decryted + = C-og clif cislower(): C\_index = ord(c)-ord(a) C-09-Pos = (C-index-log) 01.26+0x2(a)

Cog = chr(c-og-Pos) decryfted + = C.09 elif C-isdigit (): C-9=(in+(c)-key) 0/010 decrypted+= Str (c-og) elle decoupted + = c return decrypted Main-tex= "Addack from North" Copphertext = encryption (Plain-text, 4) Print (Plaintext message 6 ln ", Plain. toxt) Print (" Encrypted ciphertext; In", Ciphertext) decryptedneg = decryption (ciphertext, 4) Print (" The decrypted message isiln", decrypted mag)