Name - Siddhauth Rawat Course-BCA SEM-6th Contrations University RollNo-11211+3 Subject - PBC-601-10 CYBERLAWS Date-15 † 06/2021

4) WAP To Implement OTP (One Time Password) Imposet math, random def generate OTP (): digits ="0123456789" 0TP = " " hours 194 Bully for i'n range (4) : OTP += digits[math.floor (Mandom. Mandom ()*10] return OTP 9F_mame_== __ main_" Print ("OTP of 4 digits: , generate OTP () 11/0/12/1/19/00 01 09/1 The state of the s made the second of the second more than the first of the first of the first of

Name-Siddharth Rawat Course-BLA SEM-6th Student ID-182116 University Roll No - 1/21143 Subject-PBC-601-Information Schwitz & CYBER LAWS Date-15/06/2021 Q3. WAP For the Encryption adecryption of Vignere Ciphen on the input plain text = "Cryptgeraphy" with a key = "Monarchy" det generate Key (String, Key) if len(string) = = len(Key) getuem (key) fou i in mange (len (storing) - len (xey)); . Key. append [Key [i% den(Key)]) Refuseur (" ". join (key)) det lucruption (String, key): Ciphenteret = [] For i in range (len (string)): X = (ond [String [i]) + and (key [i])).2 x+ = ond ('A') Ciphen-tert. append (chr(x)) de furm (11 11. join (ciphen-text)) Sidl. def decryption (ciphentest, key):

0 you text = [] Par i in stange (den (ciphen-tenet)): X = (ond [c)phen-tent [i]) - Ond (Key[i]) + 26)%-26 X+ = Ond ('A') Org-test append (Che (60)) Refunn ("join (ong-text)) if -- name -= "-- maly--"; Stering = "Cryptogeraphy" Key = generatekey (Storing, Key) Ciphen-tent = encryption (Staring, Keyw)
puint ("Ciphen-tent", ciphentent) Perint ("O siginal Decrypted test:", decouption l'Cipherteret, Key

Sidel

Maine - Siddharth Rawat Course - BCA SEM-6th 'Cl University ROUNO - 1121143 Subject-PBC-601 Information Security & Cyber Laws Date - 15/06/2021 Q5. hIAP to implement energyton and decryption using Caeses Cipher on the input plaintent = Attack from Throughton Uping Ceaser cipher def encrypt (String): Ciphen = 1) far Char in Stering! if Chan== Ciphen = Ciphen + chan elif chay. isupper(): Ciphen = ciphen + chu (lord (chas) + 3-65) 1. 26+65) else Oipher= Ciphen + Char (Cord (char) + 3-97) 1. 26+97) Meturn Ciphen text = "Attack Rnow North" Decryption Using Ceases Ciphen det decrypt (String):

For Charin Stering: (ringif, char = 7) Plain = Plain + char elif char. is upper O: Plain = plain + chr ((0 rd(char)-3-65)%. 26+6 plain = plain+ chr (cord (char)-3-94) 1.26+97 cretum plain tent = Dwwdfn dig growk C'appen Stering is", tent 1 print (" after decry ption", decrypt (text 1))

Sidh.