NAME - Shubham Thapa University Roll No - 1/2/1/42 Subject Name : Information Security and Gyber Lawy (PRACTICAL) O3 write a program for the encryption and docrypton of the Vingore cypher on the input plaintent = "Cryptography" -) PYTHON def generatekey (shing, key): Key = list (Key) if len(shing) = = len(kgy) return (Key) for i in range (Jen (string) - len (ng)). Key append (ney [i% len (ney)]) return. ("" join (kgy)) def encryption (stong string, kpy).

Gipher tent = [] for i in range (son (soling)):

x = (ord (soling [i]) + ord (key (i])) o/o 2 or

x + = ord (in)

hgm: Que

Cipher-tent append (chr(n)) return ("". join (cipher_tent)) def decryption (liphertent, key): Orgitant = EJ for i in range (len (Cipher tent)): x = (ord (aphir_tont Ei]) - ord (May Ei])+26)%26 x + = ord (A') Org-tent. apprond (chr (n)) return (" join (org tout)) if __namp_ == "__main__"; String = " bryptography " Key = "Monarchy" Keyw= generatekey (String, key) Post Ciphertond = energetion (string, Kayu) Privat ("Cipher And: ", Cipher And) print ("Original Decrypted trut:", decryption (Gehertmet, May)

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