Computer Science and Year Subject - DBMS ' Data Encryption in DBMS & DBMS can use encryption to project Information in certain situations where the normal security mechanismes of the DBMs are not adequate for example of An Intruder may stead tapes containing some data es tap a communication line. By storing and transmitting data in an excrypted Jam, The DBMS ensure that such Stolen data is not Intelligible to the Intruder. Inue, us a technéque to ferevide privary 7 Intourder Enoughtions Kay Decryption day In encryption , the message to be encrypted is known as plaintent. The plaintent is transformed by a functions that is iparameterized by a key. The output of the encryption process is known as the cirphen text. Ciphen text is then transmitted Over the network. The priscuss of Converting the plaintent to captertent is called as Encryption and process of converting the dephentent to plaintent

us called as Decryktions. Encryptions is ferformed at the transmitting end and Decryption is performed at the ouceiving end. For encryptions process we need the encryption key and for decryption key as shown un figure. without the knowledge of decryption ky Intruder cannot break the cipertext to plaintent. this process is also called as The basic Idea behind encryption is to apply an encryption algorithm, which may be accessible to the Intruder, to the original data and a user-specified or DBA-specified encyption Rey, which is kept secret. The output of the algorithm is the encrypted Version of the data. There ies also a decryption algorithm, which takes the encrypted data and the decryption by es Input and then returns the original data. Welhout the Correct deorykion key, The decryption algorithm froduce gibberish. Encryption and decryption they may be same or different but there must be relation between the both which must me secret. 25/09/2020 Shandha Vaish

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