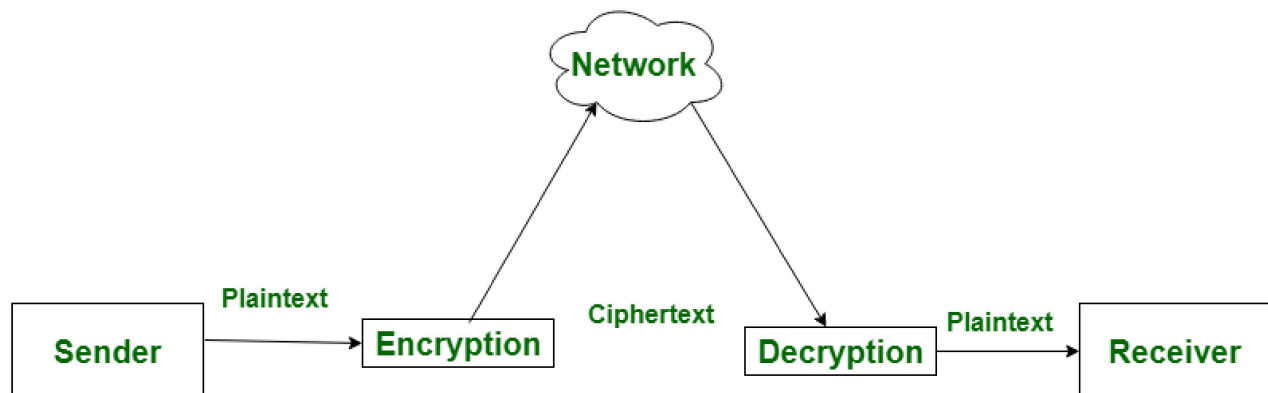




Difference between Encryption and Decryption

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Encryption is the process of converting normal message (plaintext) into meaningless message (Ciphertext). Whereas **Decryption** is the process of converting meaningless message (Ciphertext) into its original form (Plaintext). The major distinction between secret writing associated secret writing is that the conversion of a message into an unintelligible kind that's undecipherable unless decrypted. whereas secret writing is that the recovery of the first message from the encrypted information.



Let's see that the difference between encryption and decryption:

S.NO	Encryption	Decryption
1.	<u>Encryption</u> is the process of converting normal message into meaningless message.	While <u>decryption</u> is the process of converting meaningless message into its original form.

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Got It !

S.NO	Encryption	Decryption
2.	Encryption is the process which take place at sender's end.	While decryption is the process which take place at receiver's end.
3.	Its major task is to convert the plain text into cipher text.	While its main task is to convert the cipher text into plain text.
4.	Any message can be encrypted with either secret key or public key .	Whereas the encrypted message can be decrypted with either secret key or private key .
5.	In encryption process, sender sends the data to receiver after encrypted it.	Whereas in decryption process, receiver receives the information(Cipher text) and convert into plain text.
6.	The same algorithm with the same key is used for the encryption-decryption process.	The only single algorithm is used for encryption-decryption with a pair of keys where each use for encryption and decryption.
	Encryption is used to protect the confidentiality of data by converting it into an unreadable form that can only be read by authorized parties.	Decryption is used to reverse the encryption process and convert the ciphertext back into plaintext.
	The output of encryption is a ciphertext that is unintelligible to anyone who does not have the decryption key.	The output of decryption is the original plaintext message.

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