AES 128-Bit Key (16 Byte message can be encrypted and decrypted)

```
C:\AES-Encryption-And-Decryption>python AES_test.py
----------------------------------------------
Example of AES encryption and decryption
128 bit key and message version
There are two examples of keys and messages
----------------------------------------------
========================================================================
Key : 'Thats my Kung Fu'
Message Text : 'Two One Nine Two'
Length of Text : 16
Encrypted Text : )ÃP_W▯ ö@"▯³▯▯×:
Length of Encrypted Text : 16
Resolved Text : 'Two One Nine Two'
Length of Resolved Text : 16
========================================================================
Key : 'AliHaydar KURBAN'
Message Text : 'This is the text'
Length of Text : 16
Encrypted Text : Y¹ãõ¼L▯6▯çF:*À▯T
Length of Encrypted Text : 16
Resolved Text : 'This is the text'
Length of Resolved Text : 16
========================================================================
```

CBC 128-Bit Key and Uses AES (N Byte message can be encrypted and decrypted)

```
C:\AES-Encryption-And-Decryption>python CBC_test.py
------------------------------------------------------------------------
Example of AES encryption and decryption with version of CBC
128 bit key and N bit message
There are two examples of keys and messages
------------------------------------------------------------------------
========================================================================
Key : 'Thats my Kung Fu'
Message Text : 'You can encrypt the messages has longer length then 16 bytes with CBC'
Length of Text : 69
Encrypted Text: ▯▯A▯▯Ú▯▯0J▯▯'$U2ü▯ép▯▯▯_öóJ▯I▯▯µ½▯ ¶sgÉ*uÕQI▯T
Í}ÄË ▯z>▯ùn¹§þ#▯\▯q▯ê▯YÞ▯^ER ▯
Length of Encrypted Text : 80
Resolved Text : 'You can encrypt the messages has longer length then 16 bytes with CBC'
Length of Resolved Text : 69
========================================================================
Key : 'AliHaydar KURBAN'
Message Text : 'If the message is not multiple of 16 then add some constant item to message and make it multiple of 16'
Length of Text : 102
Encrypted Text: <ò¨▯þ¢7Ýö
øÙ      µ▯Z▯-▯▯J▯|▯▯²&Å▯▯E&▯À▯L▯Ð▯▯,;Ï¯´øcmz~k▯▯UB▯▯Ê▯▯3IýFì1ì4▯®^ÿª¬¿f▯▯hå´XuÁÕ▯£ÜðïmW(¹E-:)1a▯0▯ñæ,Û¶Y
Length of Encrypted Text : 112
Resolved Text : 'If the message is not multiple of 16 then add some constant item to message and make it multiple of 16'
Length of Resolved Text : 102
========================================================================
```

OFB 128-Bit Key and Uses AES (N Byte message can be encrypted and decrypted)

```
C:\AES-Encryption-And-Decryption>python OFB_test.py
------------------------------------------------------------------------
Example of AES encryption and decryption with version of OFB
128 bit key and N bit message
There are two examples of keys and messages
------------------------------------------------------------------------
========================================================================
Key : 'Thats my Kung Fu'
Message Text : 'You can encrypt the messages has longer length then 16 bytes with CBC'
Length of Text : 69
Encrypted Text: ÌUý»¥MlÄ ,¯▯æÓ▯▯1on«&¾â▯±¾c.®V>▯▯/R▯▯K(ûý«▯Cßõ;ù:O%/r▯▯▯)▯Ö▯À▯m▯cCàîM÷▯▯▯:t0▯
Length of Encrypted Text : 80
Resolved Text : 'You can encrypt the messages has longer length then 16 bytes with CBC'
Length of Resolved Text : 69
========================================================================
Key : 'AliHaydar KURBAN'
Message Text : 'If the message is not multiple of 16 then add some constant item to message and make it multiple of 16'
Length of Text : 102
¼ÇL▯- g)▯▯ÜàB▯u[▯£üE°M▯▯hÎ▯▯Q▯j9xþF;ñ▯9Õ2Á▯.÷cwY▯▯φ▯▯▯▯Òè▯
á;Î×▯¯È!▯H▯çCèÌ*[¥SÕ°5h▯▯?HáÕ▯@▯▯▯T
Length of Encrypted Text : 112
Resolved Text : 'If the message is not multiple of 16 then add some constant item to message and make it multiple of 16'
Length of Resolved Text : 102
========================================================================
```