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Question 1 - Caesar Cipher

```
message = "And I shall remain satisfied, and proud to hat
thanks to that of my true Don Quixote, are even now total
key = -3
print "Key: " + str(key)
encryptedText = encrypt(message, key)
print "Encrypted text: " + encryptedText
print "Decrypted text: " + decrypt(encryptedText, key)
```

Line 1: variable 'message' to store the plaintext

Line 2: variable 'key' to store the key that will be used to encrypt the plaintext

Line 3: print out key

Line 4: use encrypt() function that uses the caesar cipher method and pass the message and key as arguments to produce a ciphertext and store it in the 'encryptedText' variable.

Line 5: print out ciphertext

Line 6: use decrypt() function to decrypt the cipher text by passing the 'encryptedText' variable and the key as an argument.

Output:

_____Q1_____

Rey: -3

Encrypted text: Xka F pexii objxfk pxqfpcfba, xka molra ql exsb ybbk qeb cfopq tel exp bsbo bkglvba qeb corfq lc efp tofqfkdp xp cr iiv xp eb zlria abpfob; clo jv abpfob exp ybbk kl lqebo qexk ql abifsbo lsbo ql qeb abqbpqxqflk lc jxkhfka qeb cxipb xka cllifpe qx ibp lc qeb yllhp lc zefsxiov, tefze, qexkhp ql qexq lc jv qorb Alk Nrfulqb, xob bsbk klt qlqqbofkd, xka alryqibpp alljba ql cxii cl o bsbo. Cxobtbii.

Decrypted text: And I shall remain satisfied, and proud to have been the first who has ever enjoyed the fruit of his writings as fully as he could desire; for my desire has been no other than to deliver over to the detestation of mankind the false and foolish tales of the books of chivalry, which, thanks to that of my true Don Quixote, are even now tottering, and doubtless doomed to fall for ever. Farewell.

Question 2 - Caesar Cipher

```
encryptedText = "Vg jbhyq frrz gung, nf ur rknzvarq gur frireny
key = 13
print "Key: " + str(key)
print "Decrypted text: " + decrypt(encryptedText, key)
```

Line 1: variable 'encryptedText' to store the ciphertext

Line 2: variable 'key' to store the key that will be used to decrypt the ciphertext

Line 3: print out key

Line 4: using the decrypt() function, decrypt the ciphertext by passing it as an argument together with the key.

Output:

-----Q2------Q2-----

Key: 13

Decrypted text: It would seem that, as he examined the several possibilities, a suspicion crossed his mind: the memory of how he hi mself had behaved in earlier days made him ask whether someone might be hiding her from the world

Question 3 - Vigenere Cipher

```
key = "PASSWORD"
message = "I shall (from now on) select and take the ingots individually in my own yard,
encryptedText = encrypt(message, key)
print "Encrypted text: " + encryptedText
```

Line 1: variable 'key' to store the key that will be used for encrypting plaintext

Line 2: variable 'message' to store plaintext

Line 3: use encrypt() function to encrypt the plaintext by passing the message and key as arguments then store ciphertext in 'encryptedText' variable.

Line 4: Print out ciphertext

Output:

Questions 4 - Vigenere Cipher

message = "Yhwvtroi, 28 Yudq 2016 - Pse bjatw pt foxgf zwjzql bgio qcwelwlar, bls
fnf xicgo lhg sns yxstuqfb oxs fakdsipjn qj uvs uxny zwjv gjskwusr pgoe zqbklsg,
smhwy qgdogsdn, lzam nlql nmws poitwj wbu ptrg lbddsay"
key = "FACEBOOKPASSWORD"
print "Decrypted text: " + decrypt(message, key)

Line 1: variable 'message' where the ciphertext is stored

Line 2: variable 'key' where the key to decrypt the ciphertext is stored

Line 3: use decrypt() function that uses the vigenere cipher and pass the message and key

variable as arguments and print out the decrypted text

Output:

Decrypted text: Thursday, 28 July 2016 - Ten years of reign having been completed, king piodasses made known the doctrine of piety to men; and from this moment he has made men more pious, and everything thrives throughout the whole world and the king abstains from killing living beings, and other men and those who are huntsone and fishermen of the king have desisted from hunting, and if some were intemperate, they have ceased from their intemperance as was in their powe; and decident to their father and more happing in apposition to the past also in the future, by so acting on every cocasion, they will live better and none happing.