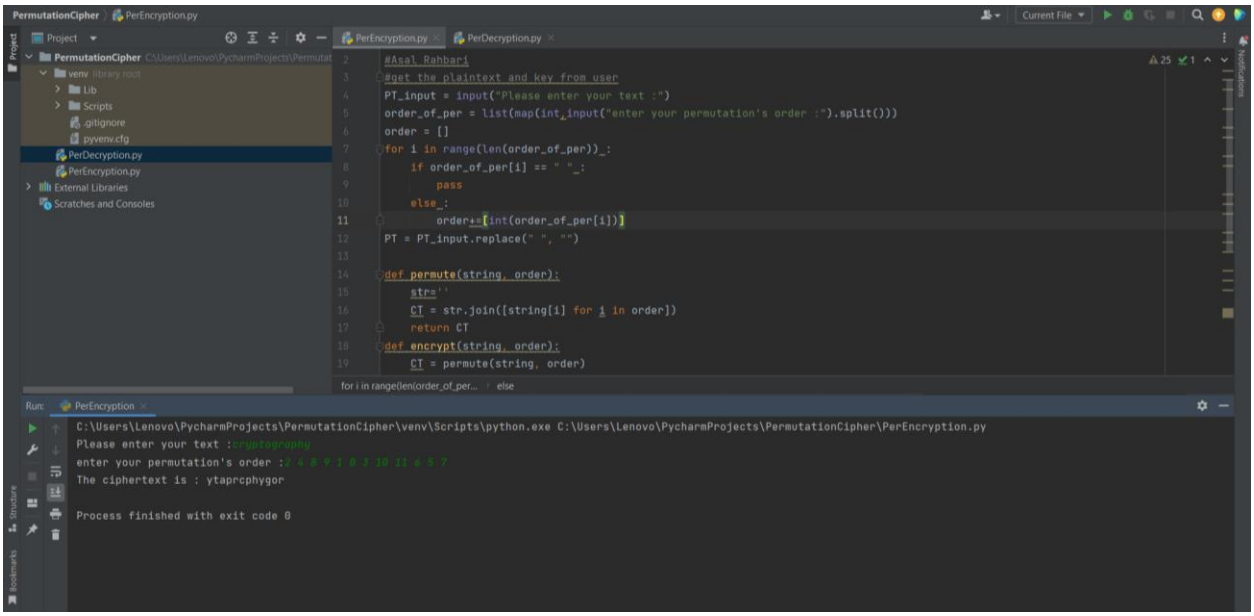
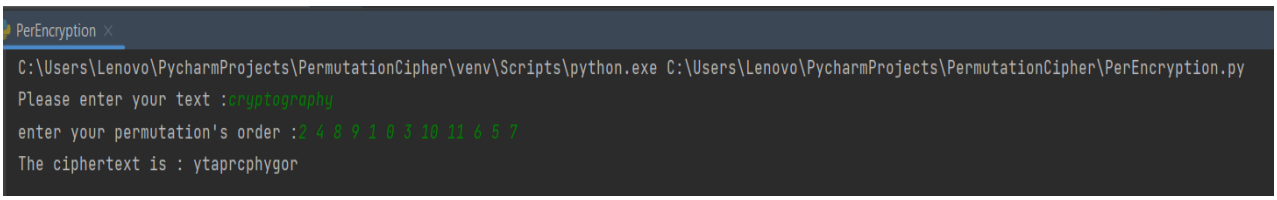
Permutation Cipher – Asal Rahbari

Encryption :

Plain text : cryptography

Key : { 2 , 4 , 8 , 9 , 1 , 0 , 3 , 10 , 11 , 6 , 5, 7}

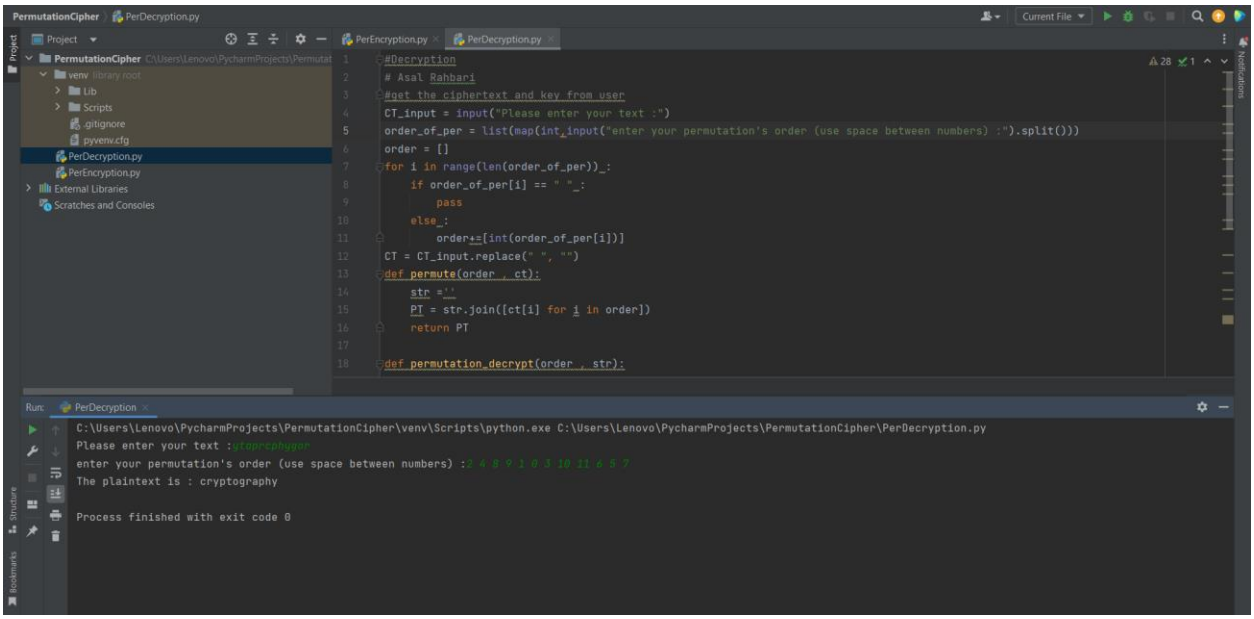


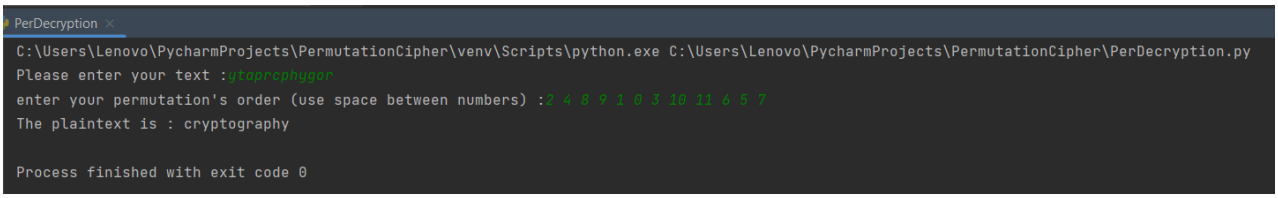


Decryption :

Cipher text : ytaprcphygor

Key : { 2 , 4 , 8 , 9, 1 , 0 , 3 , 10 , 11 , 6 , 5 , 7}

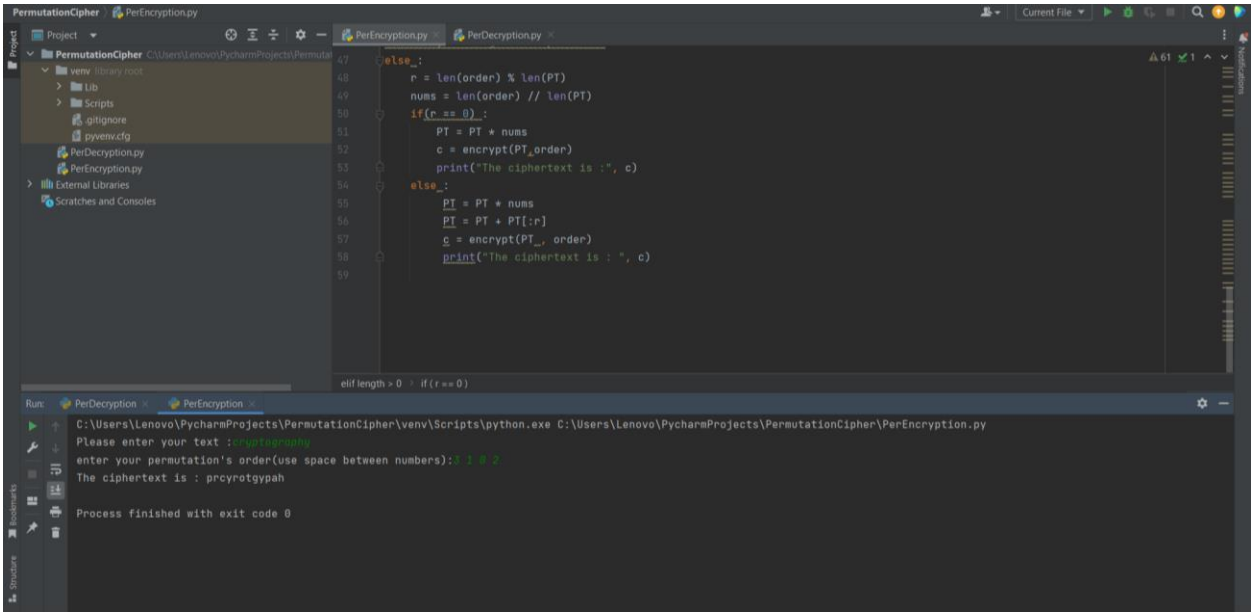


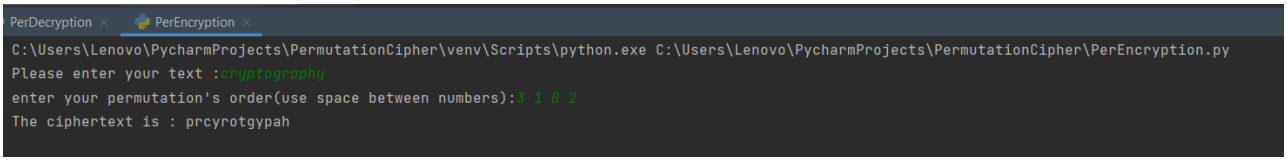


Encryption(unequal key plaintext length) :

Plaintext : cryptography

Key : 3 1 0 2


PermutationCipher
PerEncryption.py
Current File
Project
PermutationCipher C:\Users\Lenovo\PycharmProjects\Permutat
venv library root
Lib
Scripts
.gitignore
pyvenv.cfg
PerDecryption.py
PerEncryption.py
External Libraries
Scratches and Consoles
PerEncryption.py
PerDecryption.py
else_:
r = len(order) % len(PT)
nums = len(order) // len(PT)
if(r == 0) :
PT = PT * nums
c = encrypt(PT,order)
print("The ciphertext is :", c)
else_:
PT = PT * nums
PT = PT + PT[:r]
c = encrypt(PT_, order)
print("The ciphertext is : ", c)
elif length > 0 › if (r == 0)
Run:
PerDecryption
PerEncryption
C:\Users\Lenovo\PycharmProjects\PermutationCipher\venv\Scripts\python.exe C:\Users\Lenovo\PycharmProjects\PermutationCipher\PerEncryption.py
Please enter your text :cryptography
enter your permutation's order(use space between numbers):3 1 0 2
The ciphertext is : prcyrotgypah
Process finished with exit code 0


PerDecryption
PerEncryption
C:\Users\Lenovo\PycharmProjects\PermutationCipher\venv\Scripts\python.exe C:\Users\Lenovo\PycharmProjects\PermutationCipher\PerEncryption.py
Please enter your text :cryptography
enter your permutation's order(use space between numbers):3 1 0 2
The ciphertext is : prcyrotgypah

Decryption :

Ciphertetxt : prcyrotgypah

Key : 3 1 0 2