Keyword Cipher

```
message = input("Enter The Plain Message : ")
keyword = input("Enter the keyword : ")
ciphertext = ""
```

```
Enter The Plain Message : VIKRAMADITYA
Enter the keyword : QWERTYUIOPAS
```

```
all_alphabets = []
for i in range (65, 91):
  all_alphabets.append(chr(i))
print(all_alphabets)
```

```
['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q',
```

```
msg = []
for i in message:
  msg.append(i.upper())
print(msg)
```

```
['V', 'I', 'K', 'R', 'A', 'M', 'A', 'D', 'I', 'T', 'Y', 'A']
```

```
keyword1 = keyword.upper()
```

```
def duplicates(list):
  key = []
  for i in list:
    if i not in key:
      key.append(i)
  return key
```

```
keyword1 = duplicates(keyword1)
print("keyword after removing duplicates : ", keyword1)
encrypting = duplicates(keyword1 + all_alphabets)
for i in encrypting:
  if( i==' '):
    encrypting.remove(' ')
print("encrypting text is : ", encrypting)
```

```
keyword after removing duplicates :  ['Q', 'W', 'E', 'R', 'T', 'Y', 'U', 'I', 'O', 'P
encrypting text is :  ['Q', 'W', 'E', 'R', 'T', 'Y', 'U', 'I', 'O', 'P', 'A', 'S', 'D
```

```
for i in range(len(msg)):
  if(msg[i] != ' '):
    ciphertext = ciphertext + encrypting[all_alphabets.index(msg[i])]
```

```
    else:
      ciphertext = ciphertext + ' '



print("KEYWORD ::: ", keyword)
print("MESSAGE BEFORE CIPHERING ::: ", message)
print("CIPHERED TEXT :::", ciphertext)
```

```
KEYWORD :::  QWERTYUIOPAS
MESSAGE BEFORE CIPHERING :::  VIKRAMADITYA
CIPHERED TEXT ::: MOAHQBQROKXQ
```


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