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# ===== Entrainement 1 =====  
  
def chiffre_Cesar(message, n):  
    message_crypte = ''  
  
    for lettre in message:  
        code_clair = ord(lettre) - ord('A')  
        code_crypte = ord('A') + (code_clair + n) % 26  
        message_crypte += chr(code_crypte)  
  
    return message_crypte
```

```
# ===== Entrainement 2 =====  
  
def decolle(c):  
    L = []  
    m = ""  
    for x in c:  
        if x != " ":  
            m += x  
        else:  
            L.append(m)  
            m = ""  
    L.append(m)  
    return L
```

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# ===== Entrainement 3 =====  
  
def est_sous_chaine2(phrase, mot):  
  
    p = len(phrase)  
    m = len(mot)  
  
    for i in range(p - m + 1):  
        k = 0  
        while k < m and phrase[i + k] == mot[k]:  
            k += 1  
        if k == m:  
            return i  
  
    return None
```