

2022 sujet 6

Exercice 1

```
def maxi(tab):
    maximum = tab[0]
    for i in range(len(tab)):
        if tab[i] > maximum:
            maximum = tab[i]
            indice = i
    return maximum, indice
```

Exercice 2

```
def recherche(gene, seq_adn):
    n = len(seq_adn)
    g = len(gene)
    i = 0
    trouve = False
    while i < n - g + 1 and trouve == False :
        j = 0
        while j < g and gene[j] == seq_adn[i+j]:
            j += 1
        if j == g:
            trouve = True
        i += 1
    return trouve
```