

## Sujet 14

### Exercice 1

```
def recherche(elt,tab):
    res = []
    for i in range (len(tab)):
        if elt == tab[i]:
            res.append(i)
    return res
```

### Exercice 2

```
def moyenne(nom):
    if nom in resultats:
        notes = resultats[nom]
        total_points = 0
        total_coefficients = 0
        for valeurs in notes.values():
            note , coefficient = valeurs
            total_points = total_points + note * coefficient
            total_coefficients = total_coefficients + coefficient
        return round( total_points / total_coefficients , 1 )
    else:
        return -1
```