

Corrigé du CCF LIFAP5 2021P - session 1

1 Transformations de tableaux

Question 1

```
tab.filter(x => x.compte > 10)
```

Question 2

```
tab.map(x => x.compte)
```

Question 3

```
groupBy(tab, x => x.jour)
  .map(x => ({ "jour": x.key,
              "somme": x.values.reduce((acc,x) => acc+x, 0)}))
```

Question 4

```
disctinct(t.map(f))
```

Question 5

```
t.filter(x => f(x) === v)
```

Question 6

```
disctinct(t.map(f))
  .map(k => ({ "key": k,
              "values": t.filter(x => f(x) === k) })))
```

2 λ -calcul et Javascript

Question 7

```
(t -> t -> u) -> t -> u
```

Question 8

```
x => y => x(y)(y)
```

Question 9

```
 $\lambda p.\lambda q.(p (p (p (p q))))$ 
```

Question 10

```
 $\lambda x.(\lambda v.\lambda z.(v z) \lambda y.(x y))$ 
```

Question 11

```
x => ((a => z => z(a))(y => y(x)))
```

3 Javascript et programmation Web

Question 12

```
const creeLigne = tache => `|<td>${tache.echeance}</td><td>${tache.titre}</td></tr>`
const afficheListe = (listeTaches) => {
  const tbody = document.getElementById("liste-taches");
  tbody.innerHTML = listeTaches.map(creeLigne).join("\n")
}
|  |

```

Question 13

```
const changeFiltre = () => {
  const aChercher = document.getElementById("input-filtre").value;
  fetch("https://exemple.com/data")
    .then(response => response.json())
    .then(taches => taches.filter(t => t.titre.includes(aChercher)))
    .then(afficheListe);
}
```

Question 14

```
const changeFiltre = () => {
  const aChercher = document.getElementById("input-filtre").value;
  fetch("https://exemple.com/data?search="+aChercher)
    .then(response => response.json())
    .then(afficheListe);
}
```