

```
def creer_file():  
    return list()  
def file_vide(f):  
    return len(f)==0  
def taille(f): return len(f)  
def enfiler(f,x): f.append(x)  
def defiler(f):  
    return f.pop(0)  
def sommet(f): return f[0]  
  
# ex1  
def afficher(f):  
    t = taille(f)  
    for i in range(t):  
        s = defiler(f)  
        print(s)  
        enfiler(f,s)
```