```python
def f1(n):
    """
    n est un entier
    """
    p = 1
    for i in range(1, n + 1):
        p = p * i
    return p
```

```python
def f2(L, e):
    """
    L est une liste, e un objet
    """
    c = 0
    n = len(L)
    for i in range(n):
        if L[i] == e:
            c = c + 1
    return c
```

```python
def f3(L):
    M = L[0]
    k = 0
    n = len(L)
    for i in range(1, n):
        if L[i] > M:
            M = L[i]
            k = i
    return k
```

```python
def f4(L):
    i = 0
    n = len(L)
    while i < n-1 and L[i] <= L[i + 1]:
        i = i + 1
    return (i == n - 1)
```

```python
def f5(s):
    """
    s est une chaine de caracteres
    """
    n = len(s)
    i = 0
    while i <= n//2 and s[i] == s[n - 1 - i]:
        i = i + 1
    return (i > n//2)
```

```python
def f6(n):
    L = []
    while n != 0:
        q = n // 10
        r = n % 10
        L.append(r)
        n = q
    return L
```

```python
def f7(L):
    n = len(L)
    for i in range(n - 1):
        m = L[i]
        k = i
        for j in range(i, n):
            if L[j] < m:
                m = L[j]
                k = j
        L[i], L[k] = L[k], L[i]
    return L
```