# Sujet 20

## Exercice 1

```python
def mini(releve, date):
    m = releve[0] # On initialise le minimum
    a = date[0] # On initialise la date
    for i in range(1, len(releve)):
        if releve[i] < m:
            m = releve[i]
            a = date[i]
    return m, a
```

## Exercice 2

```python
def inverse_chaine(chaine):
    result = ""
    for caractere in chaine:
        result = caractere + result
    return result

def est_palindrome(chaine):
    inverse = inverse_chaine(chaine)
    return inverse == chaine

def est_nbre_palindrome(nbre):
    chaine = str(nbre)
    return est_palindrome(chaine)
```