```mermaid
flowchart TD
    START([START])
    A[A person enters the hall]
    B{Has a Bluetooth Beacon?}
    C[A Bluetooth Beacon is issued]
    D[Reading the MAC address of Bluetooth Beacon]
    E[Summing the MAC addresses of people ∑MAC Addresses = A]
    F{A>= 10?}
    G[Measuring the distance between MAC addresses Distance = B]
    H{B>= 1meter?}
    I[Voice or vibrate alerting]
    END([END])
```

**START**

A person enters the hall

Has a Bluetooth Beacon?  — **NO** → A Bluetooth Beacon is issued

**YES**

Reading the MAC address of Bluetooth Beacon

Summing the MAC addresses of people
∑MAC Addresses = A

A>= 10?  — **YES** →

**NO**

Measuring the distance between MAC addresses
Distance = B

B>= 1meter?  — **NO**

**YES**

Voice or vibrate alerting

**END**

# Algorithm for Alerting People to be Apart