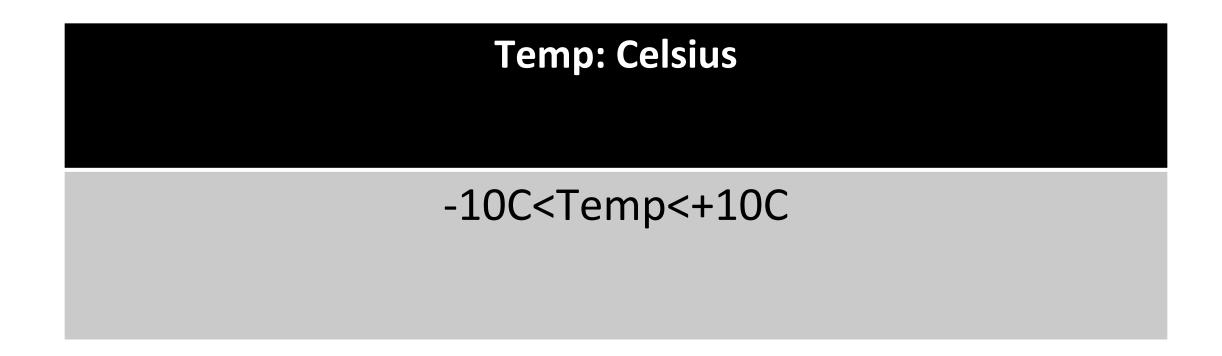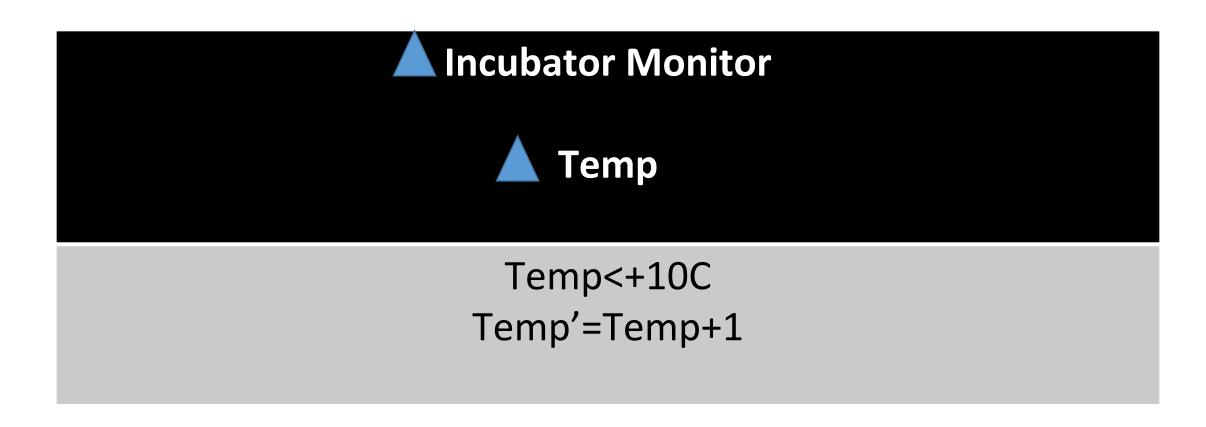# Z Language –Casestudies

# Incubator Case-study

- You are required to consider an incubator whose temperature has to be carefully controlled and monitored between -10C to +10C.
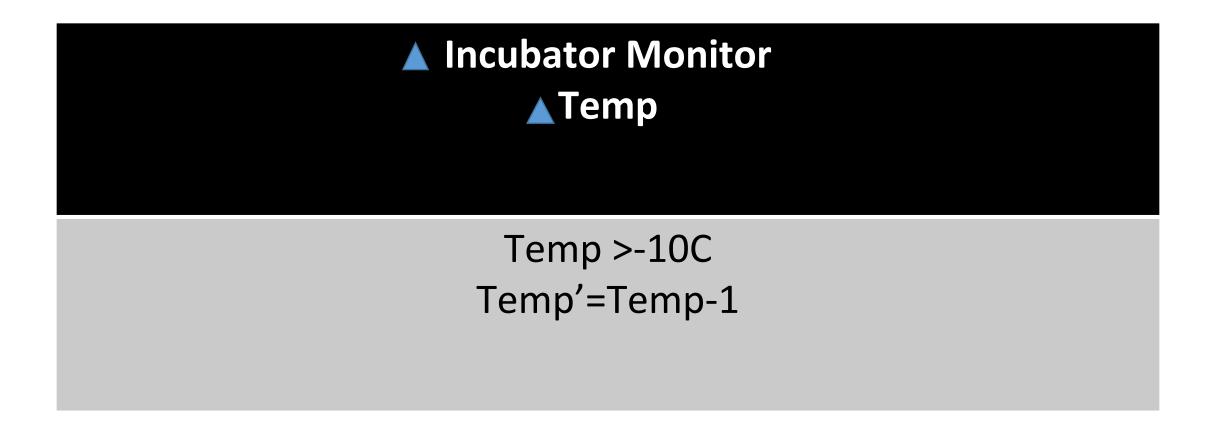
# Incubator Monitor

| Temp: Celsius |
|---|
| -10C<Temp<+10C |

# Increment Temperature

**Incubator Monitor**

**Temp**

Temp<+10C
Temp'=Temp+1

# Decrement Temperature

▲ **Incubator Monitor**
▲ **Temp**

Temp >-10C
Temp'=Temp-1

# Get Temperature

**Incubator Monitor**
**Temp**
**Current temp!:Celsius**

Current temp!=temp