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// Machines.java - MACHINES API INTERFACE
//
// MAINTENANCE HISTORY
// DATE          PROGRAMMER AND DETAILS
// 23-09-14  MPF    Original
//
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// MACHINES API INTERFACE

public interface Machines {
    int[] getServiceableStations();
        // Get list of serviceable assembly stations
    boolean isStationReady (int stationId);
        // Test whether the assembly station is ready
        // for the next request
    String getCarNumber (int stationId);
        // Get the serial number of the car currently
        // at the assembly station
    Accessory [] getAccessories (int stationId);
        // Get a list of the accessories installed in
        // the car currently at the assembly station
    boolean isValidAccessory (AccessoryType accessoryType, String skuId);
        // Test whether a SKU identifier is valid
    void installAccessory (int stationId, AccessoryType accessoryType,
        String skuId);
        // Install an accessory in the car currently at
        // the assembly station
    void removeAccessory (int stationId, AccessoryType accessoryType);
        // Remove an accessory from the car currently at
        // the assembly station
    void eject (int stationId);
        // Eject the car from the assembly station and
        // move the next car in the queue to the
        // assembly station
}

```