Question: Create 10 such object examples by following the structure above.

1. Object Name: Car

State:

Color: White

Company: Hyundai

Model: i20

Fuel Type: Petrol

Seating Capacity: 5

Mileage: 18 km/l

Registration Number: MH12AB1234

Behavior:

When I start the engine, the car begins running.

When I press the accelerator, the car speeds up.

When I press the brake, the car slows down or stops.

Identity:

Registration Number: MH12AB1234

Responsibility:

The car should start smoothly when the engine is turned on.

The car should increase speed when the accelerator is pressed.

The car should stop safely when the brake is applied.

2. Object Name: Smartphone

State:

Brand: Samsung

Color: Blue

Storage: 128GB

RAM: 6GB

Battery Capacity: 5000mAh

Screen Size: 6.5 inch

IMEI Number: 356789123456789

Behavior:

When I press the power button, the phone turns on.

When I tap an app, it opens.

When I connect a charger, the battery charges.

Identity:

IMEI Number: 356789123456789

Responsibility:

The phone should power on quickly.

Apps should open smoothly.

The phone should charge safely.

3. Object Name: Laptop

State:

Brand: Dell

RAM: 8GB

Storage: 512GB SSD

Processor: Intel i5

Color: Silver

Screen Size: 15.6 inch

Serial Number: DELL20240123

Behavior:

When powered on, the laptop boots the OS.

When typing, text appears on screen.

When connected to Wi-Fi, internet works.

Identity:

Serial Number: DELL20240123

Responsibility:

Laptop should boot properly.

Keyboard should input correctly.

Internet connectivity should function reliably.

4. Object Name: ATM Machine

State:

Bank Name: SBI

Location: Pune

Machine ID: ATM9087

Cash Available: 5,00,000

Screen Type: Touchscreen

Currency Supported: INR

Behavior:

When card is inserted, options appear.

When PIN is entered, account is verified.

When withdrawal is selected, cash is dispensed.

Identity:

Machine ID: ATM9087

Responsibility:

ATM should verify users securely.

ATM should dispense correct cash.

ATM should print receipts properly.

5. Object Name: Washing Machine

State:

Brand: LG

Capacity: 7 kg

Type: Fully Automatic

Color: Grey

Power Rating: 230V

Model: LG700WM

Behavior:

When started, washing cycle begins.

When rinse mode runs, clothes are rinsed.

When cycle ends, machine stops.

Identity:

Model: LG700WM

Responsibility:

Machine should wash clothes properly.

Rinse cycle should clean detergent fully.

Machine should stop safely after completion.