# COM2044 LAB Q2

Create the following structure for a shipping company:

## 1. Write an abstract class Shipment.

This class should contain:

- String trackingNumber and double weight fields.

- An abstract method double calculateCost().

## 2. Create two subclasses: StandardShipment and ExpressShipment.

- StandardShipment: cost = **weight × 5** units.

- ExpressShipment: cost = **weight × 10 + 20** units (additional fixed fee).

## 3. Create a class ShippingCompany:

- It should contain a Shipment[] shipments array to hold up to 10 shipments.

- Use an int count to track the number of shipments in the array.

- A method void addShipment(Shipment s) should add shipments to the array.

- A method void printAllCosts() should print the **tracking number** and **total cost** for each shipment (using polymorphism).

## 4. In the Main class:

- Create at least 2 StandardShipment and 2 ExpressShipment objects.

- Add all the shipments to the company.

- Print out the costs for each shipment.

- **StandardShipment Gönderisi 1: Tracking Number**: STD001 **Weight**: 10.0 kg

- **StandardShipment Gönderisi 2: Tracking Number**: STD002 **Weight**: 7.5 kg

- **ExpressShipment Gönderisi 1: Tracking Number**: EXP001 **Weight**: 4.0 kg

- **ExpressShipment Gönderisi 2: Tracking Number**: EXP002 **Weight**: 6.2 kg

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Takip No: STD001 - Ağırlık: 10.0 kg - Maliyet: 50.0 TL
Takip No: STD002 - Ağırlık: 7.5 kg - Maliyet: 37.5 TL
Takip No: EXP001 - Ağırlık: 4.0 kg - Maliyet: 60.0 TL
Takip No: EXP002 - Ağırlık: 6.2 kg - Maliyet: 82.0 TL
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