**Week 7 M10: Programming Assignment  
Division and Sub Classes**

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September 25th, 2025

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**Division and Sub Classes**

**GitHub Repository Link:**

<https://github.com/Juan551School/csd-402>

**Java Code**

**Division.java**

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//Division Class

**package** divisionProject;

**public** **abstract** **class** Division {

**private** String divisionName;

**private** **int** accountNumber;

// Constructor

**public** Division(String divisionName, **int** accountNumber) {

**this**.divisionName = divisionName;

**this**.accountNumber = accountNumber;

}

// Getters

**public** String getDivisionName() {

**return** divisionName;

}

**public** **int** getAccountNumber() {

**return** accountNumber;

}

// Abstract method

**public** **abstract** **void** display();

}

**DomesticDivision.java**

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//DomesticDivision Subclass

**package** divisionProject;

**public** **class** DomesticDivision **extends** Division {// Subclass for Division

**private** String state;

// The Constructor

**public** DomesticDivision(String divisionName, **int** accountNumber, String state) {

**super**(divisionName, accountNumber);

**this**.state = state;

}

// Implement abstract method

@Override

**public** **void** display() {

System.***out***.println("Domestic Division: " + getDivisionName() +

", Account #: " + getAccountNumber() +

", State: " + state);

}

}

**InternationalDivision.java**

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//InternationalDivision Subclass

**package** divisionProject;

**public** **class** InternationalDivision **extends** Division {// Subclass for Division

**private** String country;

**private** String language;

// Constructor

**public** InternationalDivision(String divisionName, **int** accountNumber, String country, String language) {

**super**(divisionName, accountNumber);

**this**.country = country;

**this**.language = language;

}

// Implement abstract method

@Override

**public** **void** display() {

System.***out***.println("International Division: " + getDivisionName() +

", Account #: " + getAccountNumber() +

", Country: " + country +

", Language: " + language);

}

}

**UseDivision.java**

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//UseDivision Subclass

**package** divisionProject;

**public** **class** UseDivision {

**public** **static** **void** main(String[] args) {

// Create two InternationalDivision objects

InternationalDivision intl1 = **new** InternationalDivision("Latin America Sales", 1001, "Mexico", "Spanish");

InternationalDivision intl2 = **new** InternationalDivision("Asia-Pacific Ops", 1002, "Japan", "Japanese");

// Create two DomesticDivision objects

DomesticDivision dom1 = **new** DomesticDivision("East Coast Marketing", 2001, "New York");

DomesticDivision dom2 = **new** DomesticDivision("Mountain Region Sales", 2002, "Colorado");

// Display all divisions

intl1.display();// Shows the 1st International Division

intl2.display();// Shows the 2nd International Division

dom1.display();// Shows the 1st Domestic Division

dom2.display();// Shows the 2nd Domestic Division

}

}

**Picture of Code Running**

