**Aggregation (Has Relationship)**

If class has entity reference, it is known as Aggregation. It represents Has-A relationship.

Example-

**package** com.test;

**public** **class** Employee {

**private** **int** id;

**private** String firstName;

**private** String lastName;

**private** String mobileNumber;

**private** Address address;

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getFirstName() {

**return** firstName;

}

**public** **void** setFirstName(String firstName) {

**this**.firstName = firstName;

}

**public** String getLastName() {

**return** lastName;

}

**public** **void** setLastName(String lastName) {

**this**.lastName = lastName;

}

**public** String getMobileNumber() {

**return** mobileNumber;

}

**public** **void** setMobileNumber(String mobileNumber) {

**this**.mobileNumber = mobileNumber;

}

**public** Address getAddress() {

**return** address;

}

**public** **void** setAddress(Address address) {

**this**.address = address;

}

// getter and setter

}

**package** com.test;

**public** **class** Address {

**private** String streetNo;

**private** String city;

**private** String state;

**private** String country;

**public** String getStreetNo() {

**return** streetNo;

}

**public** **void** setStreetNo(String streetNo) {

**this**.streetNo = streetNo;

}

**public** String getCity() {

**return** city;

}

**public** **void** setCity(String city) {

**this**.city = city;

}

**public** String getState() {

**return** state;

}

**public** **void** setState(String state) {

**this**.state = state;

}

**public** String getCountry() {

**return** country;

}

**public** **void** setCountry(String country) {

**this**.country = country;

}

}

**package** com.test;

**import** java.util.Scanner;

**public** **class** Test {

**public** **void** getUserDetails() {

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Enter employee id>>");

**int** id = scanner.nextInt();

System.***out***.println("Enter employee first name>>");

String firstName = scanner.next();

System.***out***.println("Enter employee last name>>");

String lastName = scanner.next();

System.***out***.println("Enter employee mobile number>>");

String mobileNumber = scanner.next();

System.***out***.println("Enter street no>>");

String streetNo = scanner.next();

System.***out***.println("Enter city>>");

String city = scanner.next();

System.***out***.println("Enter state>>");

String state = scanner.next();

System.***out***.println("Enter country>>");

String country = scanner.next();

// set the value into employee object here

Employee employee = **new** Employee();

employee.setId(id);

employee.setFirstName(firstName);

employee.setLastName(lastName);

employee.setMobileNumber(mobileNumber);

// set value into address object here

Address address = **new** Address();

address.setStreetNo(streetNo);

address.setCity(city);

address.setState(state);

address.setCountry(country);

//set address object into employee object

employee.setAddress(address);

// get the value from employee object here

System.***out***.println("Employee ID>>" + employee.getId());

System.***out***.println("Employee First Name>>" + employee.getFirstName());

System.***out***.println("Employee Last Name>>" + employee.getLastName());

System.***out***.println("Employee Mobile Number>>" + employee.getMobileNumber());

System.***out***.println("Employee Street No>>" + employee.getAddress().getStreetNo());

System.***out***.println("Employee City>>" + employee.getAddress().getCity());

System.***out***.println("Employee State>>" + employee.getAddress().getState());

System.***out***.println("Employee Country>>" + employee.getAddress().getCountry());

}

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

Test test = **new** Test();

test.getUserDetails();

}

}

Output

Enter employee id>>

10

Enter employee first name>>

Ajay

Enter employee last name>>

pawar

Enter employee mobile number>>

8595958575

Enter street no>>

3

Enter city>>

pune

Enter state>>

maharashtra

Enter country>>

india

Employee ID>>10

Employee First Name>>Ajay

Employee Last Name>>pawar

Employee Mobile Number>>8595958575

Employee Street No>>3

Employee City>>pune

Employee State>>maharashtra

Employee Country>>india