

Java Persistence API Assignments

Practice Exercise

1. Create below given classes and configure as entities using xml configuration and provide persistence unit information in persistence.xml

```
class Ticket attributes: source, destination, price, date
```

```
class Person, attributes :personName,personEmail,personPhone
```

```
class Employee ,attributes:employeeName,employeeDepartment,employeeDesignation
```

```
class Student,attributes:studentName,marks,semester
```

2. Jason wants to create a class for storing details of Customer

The attributes are customerName and customerEmail

The details of customerAddress have to be created as a separate class Address and used as attributes in Customer class

The final design is given below

```
public class Customer
```

```
{
```

```
    private String customerName;
```

```
    private String customerEmail;
```

```
    private Address customerAddress
```

```
//getter setter methods and constructor
```

```
}
```

create the above classes and configure as entity using Annotations

Define persistence unit for above classes in xml file and persist information to database

3. View the below given classes

```
public class PassengerId
{
    private String passengerEmail;
    private String passengerMobile
}
```

The above class PassengerId has to be used to create composite key in class Passenger with attributes passengerName,source an destination

4.Relate the below classes using relationship annotations OneToOne ,OneToMany , ManyToOne,ManyToMany

and persist their object to database

Student	Teacher
Item	Sales
Employee	Department
Store	Product

