Question 1

a) Assuming its one class mapping to two database tables:

```
@entity

@table (name=”Name”)

@secondarytable(name=”address”)

Public class name . . . . {

@Id
Private Long ID
Private String firstname
private String surname;

@column (table=“ address”)
private String line1;

@column (table=“ address”)
private String line2;

@column (table=“ address”)
private String town;

@column (table=“ address”)
private String country;
```

b) Assuming its two classes mapping to two database tables:

```
@entity
@table
Public class name . . . . {
@Id
Private Long ID
@column
Private String firstname
@column
private String surname;
 . . . .


@entity
@table
Public class address . . . . {
@Id
Private Long ID
@column
private String line1;
@column
private String line2;
@column
private String town;
@column
private String country;
 . . .
```

Question 2

@entity
Public class StudentResult {
@EmbeddedID
private **StuRes** id;
private String grade;
 	
//constructors, getters & setters
}
	@Embeddable
	public class **StuRes** {
	private String studentID;
	private String ModuleID;
	//constructors, getters & setters
	}

Question 3

@entity
Public class Customer {
@ID
private **String** id;
private String name;
 	
@JoinColumn(name="order-fk")
Private set<Order> orders;
 	
//constructors, getters & setters
}
	@entity
	Public class Order {
	@ID
	private **String** id;
	private String productID;
	private int Qty
	private Customer customer
	
	//constructors, getters & setters
	}

Question 4

@entity
Public class Product {
@ID
private **Sting** id;
private String name;
private Float price;
 	
@ManyToMany(mappedBy="
products")
private collection<Order> modules;
//constructors, getters & setters
}
	@entity
	Public class Order {
	@ID
	private **Sting** id;
	private String customerID;
	private int Qty
	@ManyToMany
	@JoinTable(name="order_product",
	joinColumns= @JoinColumn(name="order_fk"),
	inverseJoinColumns=@joinColumn(name="prod
	uct_fk"))
	private Collection<Product> products
	//constructors, getters & setters
	}

New join table created: order_product

order_fk	product_fk
...	....