Task P8.1.1

```sql
CREATE TABLE Purchase(

    purchaseID INT UNSIGNED NOT NULL AUTO_INCREMENT,

    custName VARCHAR(30) NOT NULL,

    orderedDate DATE NOT NULL,

    shipDate DATE,

    PRIMARY KEY(purchaseID)

); CREATE TABLE PurchasedItem(

    purchaseID INT UNSIGNED NOT NULL,

    itemNo INT UNSIGNED NOT NULL,

    productName VARCHAR(30) NOT NULL,

    orderedQty TINYINT UNSIGNED NOT NULL,

    quotedPrice DECIMAL(5, 2) NOT NULL,

    PRIMARY KEY(purchaseID, itemNo),

    FOREIGN KEY(purchaseID) REFERENCES Purchase(purchaseID)

); SET

    AUTOCOMMIT = FALSE;
```

** **To add value in child table of a parent table linked with foreign key relationship it is necessary to have conrrosponding entry in parent table.**

In this context, to add row in PurchasedItem it is necessary to have corresponding row in Purchase table which is the parent table of PurchasedItem linked with foreign-key relation.

```sql
INSERT INTO Purchase(

    purchaseID,

    custName, orderedDate

)

VALUES(111,'someName', "2020-09-26");

INSERT INTO PurchasedItem(

    purchaseID,
```

```
    itemNo,

    productName,

    orderedQty,

    quotedPrice
)
VALUES(111, 1, 'Lawn mower', 3, 105.30);
```

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0283 seconds.)

```
CREATE TABLE Purchase( purchaseID INT UNSIGNED NOT NULL AUTO_INCREMENT, custName VARCHAR(30) NOT NULL, orderedDate DATE NOT NULL, shipDate DATE, PRIMARY KEY(purchaseID) )
```

[Edit inline] [Edit] [Create PHP code]

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0260 seconds.)

```
CREATE TABLE PurchasedItem( purchaseID INT UNSIGNED NOT NULL, itemNo INT UNSIGNED NOT NULL, productName VARCHAR(30) NOT NULL, orderedQty TINYINT UNSIGNED NOT NULL, quotedPrice DECIMAL(5, 2) NOT NULL, PRIMARY KEY(purchaseID, itemNo), FOREIGN KEY(purchaseID) REFERENCES Purchase(purchaseID) )
```

[Edit inline] [Edit] [Create PHP code]

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
SET AUTOCOMMIT = FALSE
```

[Edit inline] [Edit] [Create PHP code]

✔ 1 row inserted. (Query took 0.0022 seconds.)

```
INSERT INTO Purchase( purchaseID, custName, orderedDate ) VALUES(111,'someName', "2020-09-26")
```

[Edit inline] [Edit] [Create PHP code]

✔ 1 row inserted. (Query took 0.0024 seconds.)

```
INSERT INTO PurchasedItem( purchaseID, itemNo, productName, orderedQty, quotedPrice ) VALUES(111, 1, 'Lawn mower', 3, 105.30)
```

[Edit inline] [Edit] [Create PHP code]