

```
from mrjob.job import MRJob
import csv
```

```
class SalesRevenue(MRJob):
```

```
    def mapper(self, _, line):
```

```
        # Read each line as CSV
```

```
        reader = csv.reader([line])
```

```
        for row in reader:
```

```
            # Extract relevant fields
```

```
            ProductID = row[1]
```

```
            Quantity = int(row[2])
```

```
            Price = float(row[3])
```

```
            # Calculate revenue for this transaction
```

```
            revenue = Quantity * Price
```

```
            # Emit the product ID and revenue
```

```
            yield ProductID, revenue
```

```
    def reducer(self, ProductID, revenues):
```

```
        # Sum up all the revenues for a given product
```

```
        total_revenue = sum(revenues)
```

```
        # Emit the total revenue for the product
```

```
yield ProductID, total_revenue
```

```
if __name__ == '__main__':  
    SalesRevenue.run()
```