LEE YU XIAN

STUDENT NUMBER: 7233164

```
1) val details = Sc. text File ("/bigdata/orders(details.txt")

val group = details.map (s=Xs..split (",")(0).to Int,

S. split (",")(1).to Int,

S. split (",")(2),

S. split (",")(3).to Int))

group.collect()
```

val result = group. reduce By Key((a+b)=> a+b)
result-collect()

z) case class Details (order number int , line number int , item name: String, quantity int)

val details = S(.textFile ("/sigolata/orders/details.txt").

Map (_.split (",")).

map (attributes => Details (attributes (o).trim.to Int,

attributes (z).trim.to Int,

attributes (z).triml),

affiritutes (3). frim. to Int) to DS()

val total Quantity = détails, group By (\$ "order_number"). sum ("quantity")
total Quantity-show()

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3) case class Retails (order_number: int, line_number: int, item. name: Stringquality: int)

vol details = SC. textFile ("/bigdoula lorders/details.txt").

map (-.split(",")).

map (affritutes => Details (affritutes (0) trim to Int)

affritutes (1) trim to Int,

affritutes (2) trim (),

affritutes (3) frim to Int).

to DF()

details . create Or Replace Temp View ("ord Details")

voil total Quantity: spark-sql ("select sum (quantity) from ord Details group by order-details")

total avantity. show ()