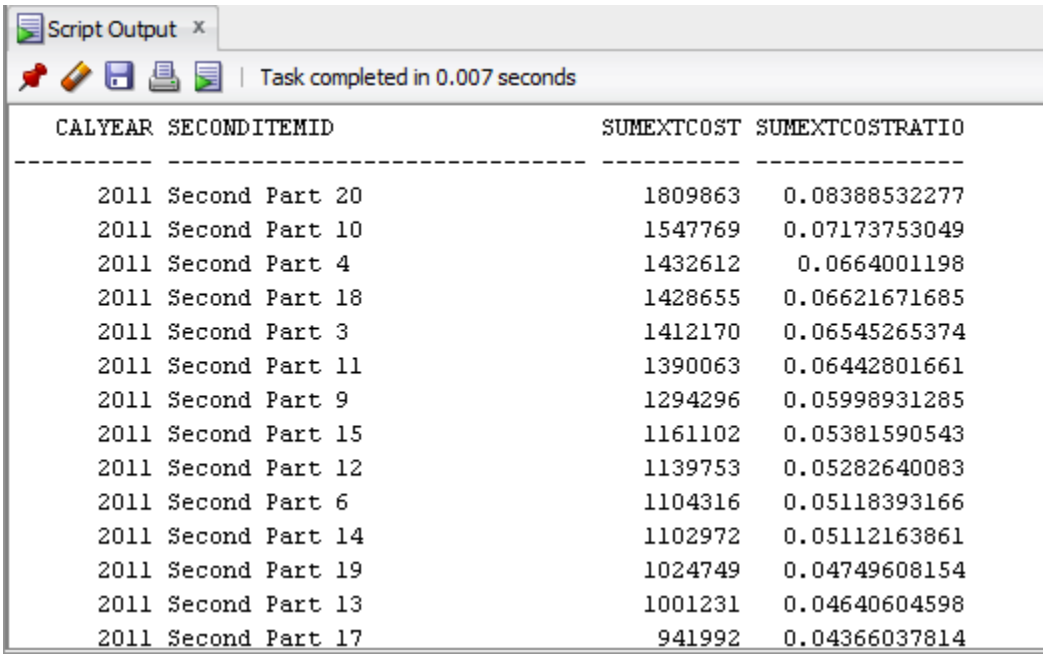
# PROBLEM 7 BY SHASHANK MISHRA

**QUERY:**

```
SELECT d.Calyear, m.Seconditemid, SUM (Extcost) AS SumExtCost, RATIO_TO_REPORT
(SUM (ExtCost)) OVER (PARTITION BY d.Calyear) AS SumExtCostRatio FROM
Inventory_fact i, Item_master_dim m, date_dim d WHERE i.itemmasterkey = m.itemmasterkey
AND i.datekey = d.datekey AND i.transtypekey = 1 GROUP BY d.Calyear, m.Seconditemid
ORDER BY d.Calyear ASC, SUM (ExtCost) DESC;
```

**SNAPSHOT:**




| CALYEAR | SECONDITEMID | SUMEXTCOST | SUMEXTCOSTRATIO |
|---|---|---|---|
| 2011 | Second Part 20 | 1809863 | 0.08388532277 |
| 2011 | Second Part 10 | 1547769 | 0.07173753049 |
| 2011 | Second Part 4 | 1432612 | 0.0664001198 |
| 2011 | Second Part 18 | 1428655 | 0.06621671685 |
| 2011 | Second Part 3 | 1412170 | 0.06545265374 |
| 2011 | Second Part 11 | 1390063 | 0.06442801661 |
| 2011 | Second Part 9 | 1294296 | 0.05998931285 |
| 2011 | Second Part 15 | 1161102 | 0.05381590543 |
| 2011 | Second Part 12 | 1139753 | 0.05282640083 |
| 2011 | Second Part 6 | 1104316 | 0.05118393166 |
| 2011 | Second Part 14 | 1102972 | 0.05112163861 |
| 2011 | Second Part 19 | 1024749 | 0.04749608154 |
| 2011 | Second Part 13 | 1001231 | 0.04640604598 |
| 2011 | Second Part 17 | 941992 | 0.04366037814 |