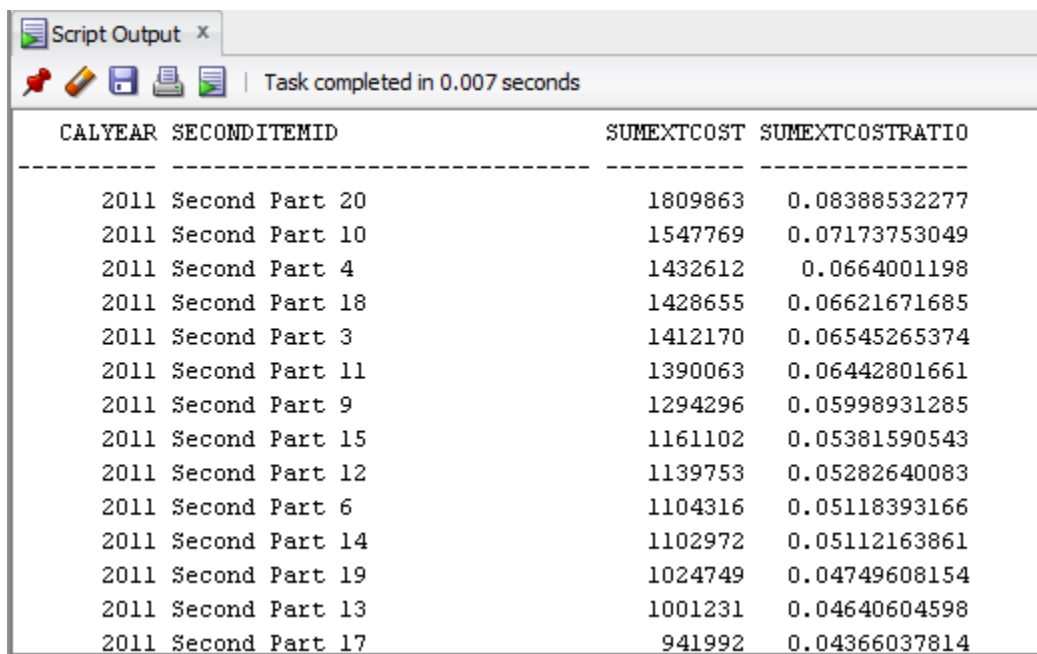


PROBLEM 7 BY SHASHANK MISHRA

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:



The screenshot shows a 'Script Output' window with a toolbar containing icons for a pin, a pencil, a folder, a document, and a printer. The status bar indicates 'Task completed in 0.007 seconds'. The output is a table with four columns: CALYEAR, SECONDDITEMID, SUMEXTCOST, and SUMEXTCOSTRATIO. The data is sorted by CALYEAR (2011) and then by SUMEXTCOST in descending order. The SECONDDITEMID column contains values like 'Second Part 20', 'Second Part 10', etc.

CALYEAR	SECONDDITEMID	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