

THRISHALA N P – 4402 ASSIGNMENT 5

QUERY

```
update account
set balance += tot_credit -tot_debit
from
    (select acc_no, sum(case when trans_type='credit' then amount else 0 end)
as tot_credit,
    sum(case when trans_type='debit' then amount else 0 end) as tot_debit
from acc_details group by acc_no) as trans
where account.acc_no = trans.acc_no
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL code:

```
497
498 select * from account
499 select * from Acc_Details;
500
```

The Results pane shows the following data:

Acc_No	Acc_Type	Acc_Balance	Acc_OpenDate	Cust_ID	Balance
1001	Savings	10000	2018-03-14 00:00:00.000	1	10500
1002	Savings	20000	2020-06-09 00:00:00.000	1	10500
1003	Loan	30000	2019-09-14 00:00:00.000	2	10000
1004	Savings	40000	2023-03-09 00:00:00.000	3	10500
1005	Savings	50000	2009-01-14 00:00:00.000	4	10500
5000	savings	2000	2023-09-08 00:00:00.000	50	10500
5001	current	10000	2023-08-08 00:00:00.000	50	10000
5002	current	5000	2023-07-08 00:00:00.000	50	10000

The Messages pane shows the following data:

ID	Acc_No	Amount	Trans_Ref	Trans_Type
1	1001	2000	aaa	credit
2	1001	3000	bbb	debit
3	1002	2000	ccc	credit
4	1002	1500	ddd	debit
5	1003	800	eee	debit
6	1005	200	fff	credit
7	5001	200	ggg	credit
8	5002	1000	hhh	credit
9	1002	1250	iii	debit
10	1002	2390	jjj	debit

The status bar indicates the query was executed successfully, showing 19 rows.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL code:

```
505 set balance =
506 case when trans_type = 'credit' then balance+amount
507 when trans_type = 'debit' then balance-amount end
508 from acc_details
509 where Acc_Details.Acc_No=Account.acc_no
510
511 ---assignment 5 - 09-13-2023
512 update account
513 set balance += tot_credit -tot_debit
514 from
515 (select acc_no, sum(case when trans_type='credit' then amount else 0 end) as tot_credit,
516 sum(case when trans_type='debit' then amount else 0 end) as tot_debit
517 from acc_details group by acc_no) as trans
518 where account.acc_no = trans.acc_no
519
```

The Results pane shows the following data:

Acc_No	Acc_Type	Acc_Balance	Acc_OpenDate	Cust_ID	Balance
1001	Savings	10000	2018-03-14 00:00:00.000	1	9000
1002	Savings	20000	2020-06-09 00:00:00.000	1	6860
1003	Loan	30000	2019-09-14 00:00:00.000	2	9200
1004	Savings	40000	2023-03-09 00:00:00.000	3	10000
1005	Savings	50000	2009-01-14 00:00:00.000	4	10200
5000	savings	2000	2023-09-08 00:00:00.000	50	10000
5001	current	10000	2023-08-08 00:00:00.000	50	10200
5002	current	5000	2023-07-08 00:00:00.000	50	11000
5003	current	5000	2023-07-08 00:00:00.000	50	10000

The Messages pane shows the following data:

ID	Acc_No	Amount	Trans_Ref	Trans_Type
1	1001	2000	aaa	credit
2	1001	3000	bbb	debit
3	1002	2000	ccc	credit
4	1002	1500	ddd	debit
5	1003	800	eee	debit
6	1005	200	fff	credit
7	5001	200	ggg	credit
8	5002	1000	hhh	credit
9	1002	1250	iii	debit
10	1002	2390	jjj	debit

The status bar indicates the query was executed successfully, showing 9 rows.