Task4-

```sql
SELECT c.customer_id,
    CONCAT(c.first_name, ' ', c.last_name) AS customer_name,
    a.account_id,
    a.account_type,
    a.balance
FROM customers c
JOIN accounts a ON c.customer_id = a.customer_id
WHERE a.balance = (SELECT MAX(balance) FROM accounts);


SELECT customer_id, AVG(balance) AS average_balance
FROM Accounts
GROUP BY customer_id
HAVING COUNT(account_id) > 1;


SELECT DISTINCT t.account_id, t.amount
FROM Transactions t
WHERE t.amount > (SELECT AVG(amount) FROM Transactions);


select account_id
from transactions where amount> (select avg(amount)
from transactions)


SELECT SUM(balance) AS tot_b
FROM Accounts
WHERE account_id NOT IN (
    SELECT DISTINCT t.account_id
    FROM Transactions t
    JOIN Accounts a ON a.account_id = t.account_id
);
```

```
select t.*

from transactions t

join accounts a on a.account_id=t.transaction_id

where a.balance=(select min(balance) from accounts);


SELECT account_type,

    (SELECT SUM(balance) FROM Accounts a2 WHERE a2.account_type = a1.account_type) AS
total_balance

FROM Accounts a1

GROUP BY account_type;



SELECT account_type,

    COUNT(*) AS total_accounts,

    (COUNT(*) * 100.0 / (SELECT COUNT(*) FROM Accounts)) AS percentage

FROM Accounts

GROUP BY account_type;


select c.*

from customers c

join accounts a on a.account_id=c.customer_id in (select customer_id

from accounts group by account_id having count(account_type)>1);


SELECT account_type,

    (SELECT SUM(balance) FROM Accounts a2 WHERE a2.account_type = a1.account_type) AS
total_balance

FROM Accounts a1

GROUP BY account_type;
```