

Data Base Lab04

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Basic Tasks

```
1/ SELECT COUNT(productcd) FROM ACCOUNT;
2/ SELECT COUNT ( accountid ) FROM ACCOUNT WHERE productcd =
'DHK';
3/ SELECT title, COUNT(EMPID) AS number_of_people FROM employee
GROUP BY title ORDER BY number_of_people ;
4/ SELECT custid,COUNT(ACCOUNTID) AS number_of_account from
ACCOUNT group by custid order by number_of_account;
5/ SELECT SUM(AVAILBALANCE) AS TOTAL_AVAIL_BALANCE FROM
ACCOUNT WHERE custid = 1;
6/ SELECT custid,SUM(AVAILBALANCE) AS TOTAL_AVAIL_BALANCE
FROM ACCOUNT GROUP BY custid;
7/ SELECT productcd,AVG(AVAILBALANCE) AS AVAIL_BALANCE FROM
ACCOUNT GROUP BY
productcd;
```

Medium Tasks

```
8/ SELECT CUSTID,SUM(AVAILBALANCE) AS TOTAL_AVAIL_BALANCE
FROM ACCOUNT WHERE OPENBRANCHID = 2 GROUP BY CUSTID;
9/ SELECT PRODUCTCD,MAX(AVAILBALANCE) AS
MAX_AVAIL_BALANCE FROM ACCOUNT GROUP BY PRODUCTCD;
10/ SELECT MIN(AVAILBALANCE) AS MIN_AVAIL_BALANCE FROM
ACCOUNT;
11/ SELECT CUSTID,SUM(AVAILBALANCE) AS AVAIL_BALANCE FROM
ACCOUNT GROUP BY CUSTID;
12/ a/ SELECT FIRSTNAME || ' ' || LASTNAME AS EMPLOYEE_NAME FROM
EMPLOYEE;
    b/ SELECT FIRSTNAME || ' ' || LASTNAME || ' Position: ' || title AS
EMPLOYEE_NAME_POSITION FROM EMPLOYEE;
```

Advanced Tasks

```
13/ CREATE TABLE text(text VARCHAR);
INSERT INTO text (text) VALUES('Fear leads to anger; anger leads to hatred; hatred
```

leads to conflict; conflict leads to

suffering');

SELECT REPLACE(text, 'anger', 'panic buying') AS modified_text FROM text;

14/ UPDATE CUSTOMER SET FEDID = REGEXP_REPLACE(REPLACE(FEDID, '-', ''), '^0+', '') WHERE FEDID IS NOT NULL;

15/ SELECT EXTRACT(YEAR FROM txin_date) as YEAR, count(txinid) FROM acc_transaction GROUP BY YEAR order by YEAR;

16/ UPDATE employee set title = upper(title);

SELECT count(title), title as JobTitle from employee GROUP BY JobTitle

17/ select custid from account where availbalance < 5000;

18/ SELECT assignedbranchid as assigned_branch_id, count(empid) as number_of_staff from employee GROUP BY assignedbranchid;

19/ SELECT count(accountid), productcd as "Product Type" from account where productcd = 'CHK' GROUP BY productcd

UNION

SELECT count(accountid), productcd as "Product Type" from account where productcd = 'SAV' GROUP BY productcd;