**DATABASE05**

Basic task:

1. SELECT COUNT(\*) AS total\_transaction\_count

FROM ACC\_TRANSACTION;

1. SELECT COUNT(\*) AS chk\_account\_count

FROM ACCOUNT

JOIN PRODUCT ON ACCOUNT.product\_type\_id = PRODUCT.product\_type\_id

WHERE PRODUCT.product\_name = 'CHK';

1. SELECT job\_title, COUNT(\*) AS employee\_count

FROM EMPLOYEE

GROUP BY job\_title;

1. SELECT C.customer\_id, C.first\_name, C.last\_name, COUNT(A.account\_id) AS account\_count

FROM CUSTOMER C

LEFT JOIN ACCOUNT A ON C.customer\_id = A.customer\_id

GROUP BY C.customer\_id, C.first\_name, C.last\_name;

1. SELECT SUM(balance) AS total\_available\_balance

FROM ACCOUNT

WHERE customer\_id = 1;

1. SELECT C.customer\_id, C.first\_name, C.last\_name, SUM(A.balance) AS total\_available\_balance

FROM CUSTOMER C

JOIN ACCOUNT A ON C.customer\_id = A.customer\_id

GROUP BY C.customer\_id, C.first\_name, C.last\_name;

1. SELECT PT.product\_type\_name, AVG(A.balance) AS average\_available\_balance

FROM ACCOUNT A

JOIN PRODUCT\_TYPE PT ON A.product\_type\_id = PT.product\_type\_id

GROUP BY PT.product\_type\_name;

Medium task：

1. SELECT SUM(A.balance) AS total\_available\_balance

FROM ACCOUNT A

JOIN BRANCH B ON A.branch\_id = B.branch\_id

WHERE B.branch\_name = 'Woburn Branch';

1. SELECT PT.product\_type\_name, MAX(A.balance) AS highest\_available\_balance

FROM ACCOUNT A

JOIN PRODUCT\_TYPE PT ON A.product\_type\_id = PT.product\_type\_id

GROUP BY PT.product\_type\_name;

1. SELECT MIN(balance) AS minimum\_available\_balance

FROM ACCOUNT;

1. SELECT C.customer\_id, C.first\_name, C.last\_name, FLOOR(SUM(A.balance)) AS total\_available\_balance

FROM CUSTOMER C

JOIN ACCOUNT A ON C.customer\_id = A.customer\_id

GROUP BY C.customer\_id, C.first\_name, C.last\_name;

1. （a）SELECT CONCAT(last\_name, ', ', first\_name) AS employees\_name

FROM EMPLOYEE;

（b）SELECT CONCAT(first\_name, ' ', last\_name, ' Position: ', job\_title) AS employee\_position\_info

FROM EMPLOYEE;