```
CREATE SCHEMA `employee_commission` ;

use `employee_commission` ;


CREATE TABLE departments
( id int AUTO_INCREMENT,
  name varchar(255),
  PRIMARY KEY(id)
);

INSERT INTO departments(name) VALUES('Banking');
INSERT INTO departments(name) VALUES('Insurance');
INSERT INTO departments(name) VALUES('Services');


CREATE TABLE employees
( id int AUTO_INCREMENT,
  department_id int,
  name varchar(255),
  salary int,
  PRIMARY KEY(id),
  FOREIGN KEY(department_id) REFERENCES departments(id)
);

INSERT INTO employees(department_id, name, salary) VALUES(1, 'Chris Gayle', 1000000);
INSERT INTO employees(department_id, name, salary) VALUES(2, 'Michael Clarke', 800000);
INSERT INTO employees(department_id, name, salary) VALUES(1, 'Rahul Dravid', 700000);
INSERT INTO employees(department_id, name, salary) VALUES(2, 'Ricky Ponting', 600000);
INSERT INTO employees(department_id, name, salary) VALUES(2, 'Albie Morkel', 650000);
INSERT INTO employees(department_id, name, salary) VALUES(3, 'Wasim Akram', 750000);
```

```
CREATE TABLE commissions
( id int AUTO_INCREMENT,
  employee_id int,
  amount int,
  PRIMARY KEY(id),
  FOREIGN KEY(employee_id) REFERENCES employees(id)
);

INSERT INTO commissions(employee_id, amount) VALUES(1, 5000);
INSERT INTO commissions(employee_id, amount) VALUES(2, 3000);
INSERT INTO commissions(employee_id, amount) VALUES(3, 4000);
INSERT INTO commissions(employee_id, amount) VALUES(1, 4000);
INSERT INTO commissions(employee_id, amount) VALUES(2, 3000);
INSERT INTO commissions(employee_id, amount) VALUES(4, 2000);
INSERT INTO commissions(employee_id, amount) VALUES(5, 1000);
INSERT INTO commissions(employee_id, amount) VALUES(6, 5000);
```

i. Find the employee who gets the highest total commission.

```
SELECT employees.name, SUM(amount) AS total_amount FROM commissions
INNER JOIN employees WHERE commissions.employee_id = employees.id
GROUP BY employees.id ORDER BY total_amount DESC LIMIT 1;
```

Chris Gayle 9000

ii. Find employee with 4th Highest salary from employee table.

```
SELECT name, salary FROM employees ORDER BY salary DESC LIMIT 1 OFFSET 3;
```

Rahul Dravid 700000

iii. Find department that is giving highest commission.

```
SELECT departments.name AS 'department with highest commission',
SUM(commissions.amount) AS amount FROM departments
INNER JOIN employees ON departments.id = employees.department_id
INNER JOIN commissions ON employees.id = commissions.employee_id
GROUP BY departments.id
ORDER BY amount DESC LIMIT 1;
```

Banking 13000

iv. Find employees getting commission more than 3000
Display Output in following **pattern:**
Chris Gayle, Rahul Dravid 4000

SELECT GROUP_CONCAT(employees.name), commissions.amount
FROM employees INNER JOIN commissions
WHERE employees.id = commissions.employee_id
AND amount > 3000 GROUP BY amount;

Rahul Dravid,Chris Gayle 4000

Chris Gayle,Wasim Akram 5000