---Q11. Show departments where the total fees collected exceed 1 million

select dept\_id, sum(fee) as total\_fees from students group by dept\_id having sum(fee) > 1000000;

---Q12. Display faculty departments where more than 5 faculty members earn above 100,000 salary

select dept\_id, count(faculty\_id) as high\_salary\_faculty from faculty where salary > 100000 group by dept\_id having count(faculty\_id) > 5;

---Q13. Delete all students whose GPA is below the overall average GPA

delete from students where gpa < ( select avg(gpa) from students);

--Q14. Delete courses that have no students enrolled

delete from courses c where not exists (select 1 from enrollments e where e.course\_id = c.course\_id);

--Q15. Copy all students who paid more than the average fee into HighFee\_Students

create table HighFee\_Students as select \* from students where fee > (select avg(fee) from students);

--Q16. Insert faculty into Retired\_Faculty if their joining date is the earliest in the university

insert into Retired\_Faculty select \* from faculty where joining\_date = (select min(joining\_date) from faculty);

--Q17. Find the department having the maximum total fee collected

select dept\_id, sum(fee) total\_fees from students group by dept\_id having sum(fee) = (select max(sum\_fee) from (select sum(fee) sum\_fee from students group by dept\_id));

---Q18. Show the top 3 courses with the highest enrollments using ROWNUM

select course\_id, cnt from ( select course\_id, count(student\_id) as cnt from enrollments group by course\_id order by cnt desc) where rownum <= 3;

---Q19. Display students who have enrolled in more than 3 courses and have GPA greater than the overall average

select s.student\_id, s.name, s.gpa from students s join enrollments e on s.student\_id = e.student\_id group by s.student\_id, s.name, s.gpa having count(e.course\_id) > 3 and s.gpa > (select avg(gpa) from students);

---Q20. Find faculty who do not teach any course and insert them into Unassigned\_Faculty

insert into Unassigned\_Faculty select f.\* from faculty f where not exists ( select 1 from courses c where c.dept\_id = f.dept\_id);