

1. SELECT courses.name, teachers.name from courses inner join teachers on  
courses.teacher id = teachers.id
2. SELECT teachers.name , count(courses.name) FROM courses INNER JOIN teachers  
on courses.teacher id = teachers.id GROUP BY teacher.name
3. SELECT teachers.name where count(course.name) = 0 FROM courses INNER JOIN  
teachers on courses.teacher id = teachers.id GROUP BY teacher.name