Q1. Write a query to list the names of employees hired after January 1, 2021.

```
sqlite> select * from Employees where HireDate > '2021-01-01';
1|Alice|101|70000.0|2021-01-15
3|Charlie|101|80000.0|2022-05-20
```

Q2. Write a query to calculate the average salary of employees in each department.

```
sqlite> select d.DepartmentName, avg(e.Salary) from Employees as e inner join De
partments as d on e.DepartmentID = d.DepartmentID group by d.DepartmentName;
Finance|75000.0
HR|75000.0
IT|60000.0
```

Q3. Write a query to find the department name where the total salary is the highest.

```
sqlite> select d.DepartmentName, sum(e.Salary) as totalSalary from Employees as
e inner join Departments as d on e.DepartmentID = d.DepartmentID group by d.Depa
rtmentName order by totalSalary desc limit 1;
HR|150000.0
```

Q4. Write a query to list all departments that currently have no employees assigned.

```
sqlite> select d.DepartmentName
from Departments as d
left join Employees as e
on d.DepartmentID = e.DepartmentID
where e.DepartmentID is null;
Marketing
Support
```

Q5. Write a query to fetch all employee details along with their department names.

```
sqlite> select e.*, d.DepartmentName
from Employees as e
inner join Departments as d
on e.DepartmentID = d.DepartmentID;
1|Alice|101|70000.0|2021-01-15|HR
2|Bob|102|60000.0|2020-03-10|IT
3|Charlie|101|80000.0|2022-05-20|HR
4|Diana|103|75000.0|2019-07-25|Finance
```