

ALOK SINHA

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Report developer

1)

```
SELECT emp_dept, COUNT(*)  
FROM emp_details  
GROUP BY emp_dept;
```

2) SELECT DEPARTMENT_NAME, FIRST_NAME, SALARY

```
FROM departments D  
JOIN employees E  
ON (D.MANAGER_ID=E.MANAGER_ID)  
WHERE (SYSDATE()-HIRE_DATE) / 365 > 5;
```

3) create table Incentives

```
(  
Emp_Id int,  
Incentive_Date date,  
Incentive_amount number);  
Select * from EMPLOYEE where to_char(joining_date,'MM')='01' ;
```

(or)

```
Select * from EMPLOYEE where to_char(joining_date,'Mon')='Jan';
```

5) 9

a. Start the 7 minute sand timer and the 4 minute sand timer.

b. Once the 4 minute sand timer ends turn it upside down instantly.

Time Elapsed: 4 minutes. At this moment, 3 minutes of sand is left in the 7 minute sand timer.

c. Once the 7 minute sand timer ends turn it upside down instantly.

Time Elapsed: 7 minutes. At this moment, 1 minutes of sand is left in the 4 minute sand timer.

d. After the 4 minute sand timer ends, only 1 minute is elapsed in 7 minute sand timer, therefore for another minute turn the 7 minute sand timer upside down.

Time Elapsed: 8 minutes.

e. When the 7 minute sand timer ends, total time elapsed is 9 minutes.

So effectively $8 + 1 = 9$.

6)The probability that the kids is also a girl $\frac{1}{3}$;