1. Write a SQL statement to create a table employees including columns employee_id, first_name, last_name, job_id, salary and make sure that, the employee_id column does not contain any duplicate value at the time of insertion, and the foreign key column job_id, referenced by the column job_id of jobs table, can contain only those values which are exists in the jobs table.
   Assume that the structure of the table jobs and employees as follows.

Field	Type	Null	Key	Default	Extra
JOB_ID	int(11)	NO	PRI	NULL	
JOB_TITLE	varchar(35)	NO			
MIN_SALARY	decimal(6,0)	YES		8000	
MAX_SALARY	decimal(6,0)	YES		NULL	

```
mysql> DESC employees;
+----------------+--------------+------+-----+---------+-------+
| Field          | Type         | Null | Key | Default | Extra |
+----------------+--------------+------+-----+---------+-------+
| EMPLOYEE_ID    | decimal(6,0) | NO   | PRI | NULL    |       |
| FIRST_NAME     | varchar(20)  | YES  |     | NULL    |       |
| LAST_NAME      | varchar(25)  | NO   |     | NULL    |       |
| EMAIL          | varchar(25)  | NO   |     | NULL    |       |
| PHONE_NUMBER   | varchar(20)  | YES  |     | NULL    |       |
| HIRE_DATE      | date         | NO   |     | NULL    |       |
| JOB_ID         | varchar(10)  | NO   |     | NULL    |       |
| SALARY         | decimal(8,2) | YES  |     | NULL    |       |
| COMMISSION_PCT | decimal(2,2) | YES  |     | NULL    |       |
| MANAGER_ID     | decimal(6,0) | YES  |     | NULL    |       |
| DEPARTMENT_ID  | decimal(4,0) | YES  | MUL | NULL    |       |
+----------------+--------------+------+-----+---------+-------+
11 rows in set (0.01 sec)
```

   Create above two tables.
2. Insert following records.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG
106	Valli	Pataballa	VPATABAL	590.423.4560	1987-06-23	IT_PROG

SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
24000.00	0.00	0	
17000.00	0.00	100	90
17000.00	0.00	100	90
9000.00	0.00	102	60
6000.00	0.00	103	60
4800.00	0.00	103	60
4800.00	0.00	103	60

3. Write a query to list the number of jobs available in the employees table.
4. Write a query to get the total salaries payable to employees.
5. Write a query to get the minimum salary from employees table.
6. Write a query to get the maximum salary of an employee working as a Programmer.
7. Write a query to get the average salary and number of employees working the department 90.
8. Write a query to get the highest, lowest, sum, and average salary of all employees.
9. Write a query to get the number of employees with the same job.
10. Write a query to get the difference between the highest and lowest salaries.
11. Write a query to find the manager ID and the salary of the lowest-paid employee for that manager.
12. Write a query to get the department ID and the total salary payable in each department.
13. Write a query to get the details of the employees where the length of the first name greater than or equal to 8.
14. Write a query to find all employees where first names are in upper case.
15. Write a query to extract the last 4 character of phone numbers.
16. Write a query to display the names (first_name, last_name) using alias name "First Name", "Last Name".
17. Write a query to get unique department ID from employee table using alias name “Employee Identity Number”.
18. Display job id as “Employee Job ID” and first_name and email(together seperated by a ‘,’) as “Basic Data”.
19. Write a query to get the names (first_name, last_name), salary as “Employee Salary”, PF of all the employees as “Pension Fund” (PF is calculated as 15% of salary).
20. Write a query to get the total salaries payable to employees as “Total Salary”.
21. Write a query to display the first day of the month (in datetime format) three months before the current month.
22. Write a query to display the last day of the month (in datetime format) three months before the current month.
23. Write a query to get the distinct Mondays from hire_date in employees tables.
24. Write a query to get the first day of the current year.
25. Write a query to get the last day of the current year.