Create relational database that contains the following tables and insert the following data into tables:

tblemp(empid, fname, lname, jdate, salary, manager_id, post, dept_id)

Eid	Fname	Lname	Jdate	Salary	M_id	post	Did
101	Hemant	Sharma	20-Jan-1995	50000	0	Manager	D1
102	Rita	Gandhi	20-Dec-1997	45000	0	Manager	D2
103	Maya	Mistry	12-Nov-2001	30000	101	Programmer	D1
104	Riya	Patel	15-Sep-2003	28000	102	Programmer	D2
105	Shreya	Patel	17-oct-2010	5000	101	Peon	D1
106	Karan	Patel	18-aug-2015	5000	102	Peon	D2
107	Reyanshi	Vyas	5-jun-2011	15000	101	Clerk	D1
108	Mehul	Mehta	6-may-2010	17000	102	Clerk	D2
109	Krupali	Patil	8-apr-2015	10000	101	Accountant	D1
110	Maitry	Vyas	11-mar-2017	10000	102	Accountant	D2
111	Mohan	Mehta	27-feb-2020	15000	101	Electrician	D1

tbldept(did,dname)

Did	Dname
D1	Finance
D2	Production
D3	Marketing
D4	IT

Create PL/SQL Blocks

Simple programming:

1. Write a block to print "Relational Database Management System" on screen.
2. Write a block for declaring variable A with value 50. Add 20 in in A and display the message "The value of A = 70".
3. Write a block to display the sum of 50 and 70.
4. Write a block to take input of two variables and display the average of given two numbers.
5. Write a block to take input of one string and display the same string on screen.
6. Write a block to take input of Rollno, Name, Percentage and birthdate. Display each in separate line with proper heading.
7. Write a block to take input of Principle amount (p), rate (r) and period (n). Display the simple interest on screen.
8. Write a block to take input of radius from user and display the area of circle.
9. Write a block to convert the 5 KM into M.
10. Write a block to take input of Laptop price, quantity and discount. Display the total amount and payable amount (after deduction of discount).

Programming with database (Use %type, %ROWTYPE or User defined record):

tblemp(empid, fname, lname, jdate, salary, manager_id, post, dept_id)

tbldept(did,dname)

11. Display the Fname of employee whose EID is 107.
12. Display the Salary of employee whose name is Maitry.
13. Display the Joining date of employee whose surname is Patil.
14. Display the detail of employee whose EID is 103.
15. Display the detail of employee whose Joining date is 15th September 2003.
16. Display the employee detail of "Electrician".
17. Display the detail of employee whose EID is inputted by user.
18. Display the Eid, Fname and Salary of employee whose EID is given by user.
19. Display the Eid, Fname, Salary and Dname of employee whose EID is given by user.
20. Display the Fname, Sname, Post and dname of employee having 17000 salary.

Programming with conditional statements:

Simple programming:

21. Take input of one number and check whether it is less than 100 or not. Display appropriate message.
22. Enter the age and weight of the student and display whether student is eligible to donate blood or not.
23. Take input of single number and display whether number is even or odd.
24. Take input of year and check whether it is leap year or not.
25. Take input of rollno and display the division of the given student.
    Means: 105 – Div-1, 205 – Div-2 , …. 705 – Wrong input.
26. Take input of two numbers and perform the addition, subtraction, multiplication or division as per user's choice.
    a. 1 – Addition
    b. 2 – Subtraction
    c. 3 – Multiplication
    d. 4 – Division
    e. Otherwise – Wrong Input.

Programming with database: (Create another table name "tblemp1" with same fields and same numbers of records.) (perform update and delete in tblemp1 table only) (Keep original table tblemp as it is)

27. Display the employee detail of given EID if his salary is less than 20000.
28. Display the employee detail of 'Riya' if her joining date is after 15th Sept 2020.
29. Display the employee detail of 'Peon' of D2 department if his salary is more than 8000.
30. Update the salary of given EID by adding 2000 if his joining date is before 15th January 2015.
31. Update the salary of given EID by adding 5000 if his joining date is in year 2015.
32. Delete the record of given EID if he belongs to D1 department.
33. Display the employee detail with department name of given Fname if he is accountant.
34. Display the Fname, Lname, Salary of employee of given EID if it belongs to 'Finance' department.
35. Delete the record of given EID if it belongs to 'Production' Department.
36. Update the employee's salary of given EID as per following criteria:
    a. Salary <10000 salary = salary + 5000
    b. Salary <30000 salary = salary + 7000
    c. Salary <40000 salary = salary + 9000
    d. Otherwise, salary = salary +10000

Programming with iterative statements:

Simple Programming

37. Display 1 to 10 natural numbers.
38. Display 'RDBMS' five times.
39. Display Odd numbers between 10 to 30.
40. Display 10 to 20 in reverse order.
41. Display all even numbers between 30 to 40 in reverse order.
42. Display leap years between 2000 to 2020.
43. Display following pattern as per user input:

    *

    * *

    * * *
44. Display following pattern as per user input.

    1

    1 2

    1 2 3
45. Display multiplicative table of given number.

Database programming:

46. Display employees' detail of D1 department.
47. Display employees' detail whose manager id is 101.
48. Display employees' detail of Production department.
49. Display employees' detail whose salary is more than 20000.
50. Display employees' detail whose surname is Patel.

(Perform following on tblemp1 table)

51. Update clerk employees' salary by 20000.
52. Delete records of peon employees.
53. Update salary of Accountant by adding 2000 more if his joining date is less than 1st January 2016.
54. Delete the records of Patel employees whose salary is less than 10000.
55. Update the employee's salary:

a. Salary <10000 salary = salary + 5000
b. Salary <30000 salary = salary + 7000
c. Salary <40000 salary = salary + 9000
d. Otherwise, salary = salary +10000