1. Write a PL/SQL program to print the product of two numbers.
2. Write a PL/SQL program to convert dollar to rupees.
3. Write a PL/SQL program to find largest and smallest of 3 numbers.
4. Write a PL/SQL program to find the area of a circle and a square.
5. Write a PL/SQL program to find sum of first n natural numbers.
6. Write a PL/SQL program to generate the following sequence: 1, 4, 9, 16, 25,….
7. Write a PL/SQL program to check a number is Armstrong
8. Write a PL/SQL program to reverse a string.
9. An employee is given 25% increase in salary, if salary is above Rs.25000 and 20% increase in salary if his salary is above Rs.30000. Write a PL/SQL program to calculate the new salary and change in salary.
10. Write a PL/SQL program to insert the first 15 odd nos into a table ODD and first 15 even nos into a table EVEN.
11. Write a PL/SQL program to update salary of Sindhu by 30% if she is earning salary >10000, otherwise update by 20% if she is earning salary>8000. Otherwise update by 10%.(Table name-income, Columns: ename, salary)
12. Update the salary of all the employees by 20%. If total salary>1,00,000, then rollback, else commit.
13. Create a table student(rollno, stud\_name,sessionals, univ\_mark). If the sessionals+univ\_mark>150, raise an error message. Also handle all the possible exceptions.
14. Write a PL/SQL program to accept the customer\_no and print the electricity bill for the same. The charge is calculated as follows:

UNITS CONSUMED CHARGE

<20 Nil

20-100 50ps per unit

101-300 75ps per unit

301-500 150ps per unit

>500 225ps per unit

Print the electricity bill in the form:

ELECTRICITY BILL

CONSUMER NO

PRESENT READING

PAST READING

UNITS TAKEN

CHARGE

1. Create a hostel mess database with fields(stud\_no, name, messfee, veg/nonveg). Write a PL/SQL program to increase the mess fee of vegetarians by 10% and non vegetarians by 20%. Also create tables vegetarian and non\_vegetarian which includes fields: stud\_no, name, raise\_in\_fee and date on which raise was given. Insert values into these tables through PL/SQL program.
2. Create a table T1 having 3 fields(rollno, univ\_mark and sessionals). Write a PL/SQL program to do the following: If sessionals is in between 30 and 34, then give necessary moderation so that it comes upto 35. If univ\_mark+sessionals>75, then insert those tuples into another table T2.
3. Write a function which accepts the reg\_no and print the total marks. The student table has the fields: reg\_no, name, physics\_mark, chemistry\_mark and maths\_mark.
4. Write a function to find sum of first N even no:s
5. Write a PL/SQL program to display the grade of a particular student from student database. Use a stored procedure to display the grade

TOTAL MARK GRADE

>100 A

70-100 B

50-70 C

<50 Fail

1. Create an account table(acc\_no, cname, balance, branch\_name), loan table(loan\_no, amt, branch\_name), borrower table(cname, loan\_no). Create a trigger to perform the following operations:

Whenever the balance becomes negative, create a loan in the amount of overdraft. The loan\_no is given same as acc\_no.

1. Create a transparent audit system for a table clientmaster. The system has to keep track of records that have been removed or modified and when they have been removed or modified. Table details are given below:

AuditClient: name, bal\_due, operation, Op\_date

Clientmaster: c\_no, name, address, bal\_due

1. Create a table with 2 number fields a and b. Write a trigger so that the value that is entered into the table satisfies the condition: a+b>75. Also if value of b is changed, it should not be changed to a smaller value. Tuples that violate these conditions should not be entered.