**PL/SQL Lab Practice**

**1. Create a procedure to print the message as Welcome to Immense Source?**

**2. Create a procedure to print the string for a given input?**

**3. Create a function to get reverse string for a given string without using reverse function?**

**4. Create a function to get a result for given marks for the following conditions?**

**If given marks are greater than 74 then result will be ‘Distinction’**

**If given marks are greater than 59 and less than 75 then result will be ‘First Class’**

**If given marks are greater than 49 and less than 60 then result will be ‘Second Class’**

**If given marks are greater than 34 and less than 50 then result will be ‘Third Class’ otherwise ‘Fail’**

**5. Create a function to get sum for given two numbers?**

**6. Create a function to get product for given two numbers?**

**7. Create a function to get difference for given two numbers?**

**8. Create a function to get remainder for given two numbers?**

**9. Create a function to get result for the following conditions?**

**If given flag ‘S’ then result will be sum of numbers**

**If given flag ‘D’ then result will be difference of numbers**

**If given flag ‘P’ then result will be product of numbers**

**If given flag ‘R’ then result will be remainder of numbers**

**10. Create a procedure to print 100 natural numbers and sum of that numbers using while?**

**11. Create a procedure to print 100 even numbers and sum of that numbers using for?**

**12. Create a procedure to print 100 odd numbers and sum of that numbers using go to?**

**13. Create a procedure to print 100 prime numbers and sum of that numbers?**

**14. Create a procedure to print Fibonacci series from 1 to 20 and sum of that numbers?**

**15. Create a function to get sum of first N natural number?**

**16. Create a function to get sum of digits for a given number?**

**17. Create a function to get product of digits for a given number?**

**18. Create a function to get square root for a given number?**

**19. Create a function to get factorial for a given number?**

**20. Create a recursive function to get factorial for a given number?**

**21. Create a procedure to print multiplication table for a given number?**

**22. Create a function to find given number is Armstrong or not?**

**23. Create a procedure to print the following format for a given string?**

**IMMENSE**

**IMMENS**

**IMMEN**

**IMME**

**IMM**

**IM**

**I**

**24. Create a function to get length for given string without using length function?**

**25. Create a procedure to print all Sundays along with the date for a given year?**

**26. Create a function to get number of vowels for a given string?**

**27. Create a procedure to create the table with the following information**

**TABLE NAME -> XXISC\_STUDENT\_INF**

**COLUMN NAME DATA TYPE**

SNO NUMBER

SNAME VARCHAR2(40)

COURSE VARCHAR2(40)

JOIN\_DATE DATE

BATCH\_ID NUMBER

SEX CHAR(1)

**28. Create a procedure to insert data into XXISC\_STUDENT\_INF for given information?**

**29. Create a function to insert data into XXISC\_STUDENT\_INF for given information?**

**30. Create a function to get student name for given student number?**

**31. Create a function to get data for a given column name and student number?**

**32. Create a procedure to get compile error?**

**33. Create a procedure to get runtime error?**

**34. Create a procedure to get exception?**

**35. Create a procedure to get any pre defined exception?**

**36. Create a procedure to get user defined exception?**

**37. Create a procedure to get any non pre defined exception?**

**38. Create a procedure to get no data found error?**

**39. Create a procedure to get too may rows error?**

**40. Write program to get sum of two numbers by using local procedure?**

**41. Create any stored procedure?**

**42. Create any stand alone procedure?**

**43. Create any two procedures with same name?**

**44. Create any procedure using forward declaration?**

**45. Create a procedure to get sum for given numbers?**

**46. Create a procedure to call a function?**

**47. Create a function to call a procedure?**

**48. Create a function to find given string is palindrome or not?**

**49. Create a procedure to call a function as part of if statement?**

**50. Create a procedure to print words for given statement?**

**51. Create a function to print amount in words for given amount?**

**Ex:**

**Input:  999999999**

**Output: ninety-nine crores ninety-nine lakhs ninety-nine thousands nine hundred ninety-nine**

**52. Create a package to get addition, subtract and product as global procedures and functions?**

**53. Create a package for global variables?**

**54. Create a package to get addition, subtract and product as local procedures and functions?**

**55. Create a package to call stored procedure?**

**56. Create a procedure to call a package procedure and package variable?**

**57. Create a procedure to print all students information from XXISC\_STUDENT\_INF?**

**58. Create a procedure to print all students information for given batch id?**

**59. Create a procedure to print all students information by using parameter cursor?**

**60. Create a procedure to print data for a given column name?**

**61. Create a procedure to find how many records are updated?**

**62. Create a table and create all triggers on that table to print firing sequence of triggers?**

**63. Create a trigger to generate mutating error?**

**64. Create a procedure to store 1 to 100 numbers into a variable?**

**65. Create a procedure to print 1 to 100 number from given a variable?**

**66. Create a procedure to store all student information into a variable?**

**67. Create a procedure to print all student information from a variable?**

**68. Create a procedure to store all student information into a variable without using cursor?**

**69. Create a procedure to insert data into table from variable without using loop?**

**70. Create a procedure to fetch data from one table and insert same data into other table by using nested**

**table?**

**71. Create a procedure to insert data into table from text file?**

**72. Create a procedure to schedule a program?**

**73. Create a procedure using AUTH ID?**

**74. Create a package for all above procedures and functions?**

**75. Create a procedure for all sub languages?**

**76. Create a function for all sub languages?**

**77. Create a procedure for all control structures?**

**78. Create a procedure for all cursors and all attributes?**

**79. Create a procedure for all collection types?**

**80. Create a procedure for multiple cursors and multiple collection types?**