

## **Assignment - SQL Queries**

## **Problem Statement:**

Consider yourself to be Sam and you have been given the below tasks to complete using the Table – **STUDIES, SOFTWARE & PROGRAMMER**.

## Tasks to be performed:

- 1. Find out the selling cost AVG for packages developed in Pascal.
- 2. Display Names, Ages of all Programmers.
- 3. Display the Names of those who have done the DAP Course.
- 4. Display the Names and Date of Births of all Programmers Born in January.
- 5. What is the Highest Number of copies sold by a Package?
- 6. Display lowest course Fee.
- 7. How many programmers done the PGDCA Course?
- 8. How much revenue has been earned thru sales of Packages Developed in C.
- 9. Display the Details of the Software Developed by Ramesh.
- 10. How many Programmers Studied at Sabhari?
- 11. Display details of Packages whose sales crossed the 2000 Mark.
- 12. Display the Details of Packages for which Development Cost have been recovered.
- 13. What is the cost of the costliest software development in Basic?
- 14. How many Packages Developed in DBASE?
- 15. How many programmers studied in Pragathi?
- 16. How many Programmers Paid 5000 to 10000 for their course?
- 17. What is AVG Course Fee
- 18. Display the details of the Programmers Knowing C.
- 19. How many Programmers know either COBOL or PASCAL.
- 20. How many Programmers Don't know PASCAL and C
- 21. How old is the Oldest Male Programmer.
- 22. What is the AVG age of Female Programmers?
- 23. Calculate the Experience in Years for each Programmer and Display with their names in Descending order.
- 24. Who are the Programmers who celebrate their Birthday's During the Current Month?
- 25. How many Female Programmers are there?
- 26. What are the Languages studied by Male Programmers.
- 27. What is the AVG Salary?
- 28. How many people draw salary 2000 to 4000?
- 29. Display the details of those who don't know Clipper, COBOL or PASCAL.
- 30. Display the Cost of Package Developed By each Programmer.
- 31. Display the sales values of the Packages Developed by the each Programmer.
- 32. Display the Number of Packages sold by Each Programmer.
- 33. Display the sales cost of the packages Developed by each Programmer Language wise.



- 34. Display each language name with AVG Development Cost, AVG Selling Cost and AVG Price per Copy.
- 35. Display each programmer's name, costliest and cheapest Packages Developed by him or her.
- 36. Display each institute name with number of Courses, Average Cost per Course.
- 37. Display each institute Name with Number of Students.
- 38. Display Names of Male and Female Programmers. Gender also.
- 39. Display the Name of Programmers and Their Packages.
- 40. Display the Number of Packages in Each Language Except C and C++.
- 41. Display the Number of Packages in Each Language for which Development Cost is less than 1000.
- 42. Display AVG Difference between SCOST, DCOST for Each Package.
- 43. Display the total SCOST, DCOST and amount to Be Recovered for each Programmer for Those Whose Cost has not yet been Recovered.
- 44. Display Highest, Lowest and Average Salaries for those earning more than 2000.
- 45. Who is the Highest Paid C Programmers?
- 46. Who is the Highest Paid Female COBOL Programmer?
- 47. Display the names of the highest paid programmers for each Language.
- 48. Who is the least experienced Programmer.
- 49. Who is the most experienced male programmer knowing PASCAL.
- 50. Which Language is known by only one Programmer?
- 51. Who is the Above Programmer Referred in 50?
- 52. Who is the Youngest Programmer knowing DBASE?
- 53. Which Female Programmer earning more than 3000 does not know C, C++, ORACLE or DBASE?
- 54. Which Institute has most number of Students?
- 55. What is the Costliest course?
- 56. Which course has been done by the most of the Students?
- 57. Which Institute conducts costliest course.
- 58. Display the name of the Institute and Course, which has below AVG coursefee.
- 59. Display the names of the courses whose fees are within 1000 (+ or -) of the Average Fee,
- 60. Which package has the Highest Development cost?
- 61. Which course has below AVG number of Students?
- 62. Which Package has the lowest selling cost?
- 63. Who Developed the Package that has sold the least number of copies?
- 64. Which language has used to develop the package, which has the highest sales amount?
- 65. How many copies of package that has the least difference between development and selling cost where sold.
- 66. Which is the costliest package developed in PASCAL.
- 67. Which language was used to develop the most number of Packages.
- 68. Which programmer has developed the highest number of Packages?



- 69. Who is the Author of the Costliest Package?
- 70. Display the names of the packages, which have sold less than the AVG number of copies.
- 71. Who are the authors of the Packages, which have recovered more than double the Development cost?
- 72. Display the programmer Name and the cheapest packages developed by them in each language.
- 73. Display the language used by each programmer to develop the Highest Selling and Lowest-selling package.
- 74. Who is the youngest male Programmer born in 1965?
- 75. Who is the oldest Female Programmer who joined in 1992?
- 76. In which year was the most number of Programmers born.
- 77. In which month did most number of programmers join?
- 78. In which language are most of the programmer's proficient.
- 79. Who are the male programmers earning below the AVG salary of Female Programmers?
- 80. Who are the Female Programmers earning more than the Highest Paid?
- 81. Which language has been stated as the proficiency by most of the Programmers?
- 82. Display the details of those who are drawing the same salary.
- 83. Display the details of the Software Developed by the Male Programmers Earning More than 3000/-.
- 84. Display the details of the packages developed in Pascal by the Female Programmers.
- 85. Display the details of the Programmers who joined before 1990.
- 86. Display the details of the Software Developed in C By female programmers of Pragathi.
- 87. Display the number of packages, No. of Copies Sold and sales value of each programmer institute wise.
- 88. Display the details of the software developed in DBASE by Male Programmers, who belong to the institute in which most number of Programmers studied.
- 89. Display the details of the software Developed by the male programmers Born before 1965 and female programmers born after 1975.
- 90. Display the details of the software that has developed in the language which is neither the first nor the second proficiency of the programmers.
- 91. Display the details of the software developed by the male students of Sabhari.
- 92. Display the names of the programmers who have not developed any packages.
- 93. What is the total cost of the Software developed by the programmers of Apple?
- 94. Who are the programmers who joined on the same day?
- 95. Who are the programmers who have the same Prof2?
- 96. Display the total sales value of the software, institute wise.
- 97. In which institute does the person who developed the costliest package studied.
- 98. Which language listed in prof1, prof2 has not been used to develop any package.
- 99. How much does the person who developed the highest selling package earn and what course did HE/SHE undergo.

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- 100. What is the AVG salary for those whose software sales is more than 50,000/-.
- 101. How many packages were developed by students, who studied in institute that charge the lowest course fee?
- 102. How many packages were developed by the person who developed the cheapest package, where did HE/SHE study?
- 103. How many packages were developed by the female programmers earning more than the highest paid male programmer?
- 104. How many packages are developed by the most experienced programmer form BDPS.
- 105. List the programmers (form the software table) and the institutes they studied.
- 106. List each PROF with the number of Programmers having that PROF and the number of the packages in that PROF.
- 107. List the programmer names (from the programmer table) and No. Of Packages each has developed.

