SQL Queries - KirkYagami 👨‍💻🕵️

1. Find the average selling cost of software developed in Fortran.
2. Display the names and ages of all programmers.
3. List the names of programmers who have studied the Data Science course.
4. Show the names and dates of birth of all programmers born in February.
5. What is the highest number of copies sold for any software package?
6. Display the course with the lowest fee.
7. How many programmers have taken the Cybersecurity course?
8. Calculate the total revenue earned from the sales of software developed in Java.
9. Display the details of the software developed by Natasha Romanoff.
10. How many programmers have studied at Oxford?
11. Display the details of software packages whose sales exceeded 150 units.
12. Show the details of software packages where the development cost has been fully recovered.
13. What is the cost of the most expensive software development in Lisp?
14. How many software packages were developed in Julia?
15. How many programmers studied at Cambridge?
16. How many programmers paid between 6000 and 15000 for their course?
17. What is the average course fee across all studies?
18. Display the details of programmers who know Java.
19. How many programmers know either Ruby or Rust?
20. How many programmers do not know Fortran and Java?
21. How old is the oldest male programmer?
22. What is the average age of female programmers?

23. Calculate the experience in years for each programmer and display their names in descending order.

24. Who are the programmers who celebrate their birthdays during the current month?

25. How many female programmers are there?

26. What are the primary languages studied by male programmers?

27. What is the average salary of the programmers?

28. How many programmers draw a salary between 12000 and 16000?

29. Display the details of those who don't know Rust and Lisp.

30. Display the development cost of the software package created by each programmer.

31. Display the sales values of the software packages developed by each programmer.

32. Display the number of software packages sold by each programmer.

33. Show the sales revenue of the packages developed by each programmer, categorized by programming language.

34. Display each language name with the average development cost, average selling cost, and average price per copy.

35. For each programmer, display their name along with the costliest and cheapest software packages they have developed.

36. Display each institute's name along with the number of courses offered and the average cost per course.

37. Display each institute's name along with the number of students who studied there.

38. List the names of male and female programmers, including their gender.

39. Display the names of programmers and the software packages they have developed.

40. Show the number of packages developed in each language, excluding those developed in C and C++.

41. Display the number of packages in each language where the development cost is less than 25000.

42. Display the average difference between the selling cost (SCOST) and development cost (DCOST) for each software package.

43. Show the total selling cost (SCOST), development cost (DCOST), and the amount still to be recovered for each programmer whose costs have not yet been recovered.

44. Display the highest, lowest, and average salaries for programmers earning more than 12000.

45. Who is the highest-paid programmer skilled in C?

46. Who is the highest-paid female programmer skilled in Ruby?

47. Display the names of the highest-paid programmers for each primary programming language.

48. Who is the least experienced programmer?

49. Who is the most experienced male programmer skilled in Lisp?

50. Which primary language is known by only one programmer?

51. Who is the programmer referred to in question 50?

52. Who is the youngest programmer skilled in Julia?

53. Which female programmer earning more than 14000 does not know Python, JavaScript, Go, or Julia?

54. Which institute has the most students enrolled?

55. What is the most expensive course offered?

56. Which course has been taken by the most students?

57. Which institute offers the most expensive course?

58. Display the name of the institute and course where the course fee is below the average fee.

59. Display the names of the courses whose fees are within 500 (+ or -) of the average fee.

60. Which software package has the highest development cost?

61. Which course has below the average number of students?

62. Which software package has the lowest selling cost?

63. Who developed the software package that has sold the least number of copies?

64. Which language was used to develop the package with the highest sales amount?

65. How many copies were sold of the package that has the smallest difference between development and selling costs?

66. Which is the most expensive package developed in Julia?

67. Which language was used to develop the most software packages?

68. Which programmer has developed the highest number of software packages?

69. Who is the developer of the most expensive package?

70. Display the names of the software packages that have sold fewer than the average number of copies.

71. Who are the developers of the packages that have recovered more than double their development costs?

72. Display the programmer's name and the cheapest packages they developed in each language.

73. Display the language used by each programmer to develop their highest-selling and lowest-selling packages.

74. Who is the youngest male programmer born in 1936?

75. Who is the youngest male programmer born in 1965?

76. Who is the oldest female programmer who joined in 2000?

77. In which year were the most programmers born?

78. In which month did the most programmers join?

79. Which language are most programmers proficient in?

80. Who are the male programmers earning below the average salary of female programmers?

81. Who are the female programmers earning more than the highest-paid male programmer?

82. Which language is listed as the proficiency by the most programmers?

83. Display the details of programmers drawing the same salary.

84. Display the details of the software developed by male programmers earning more than 12000.

85. Display the details of the software developed in Go by female programmers.
86. Display the details of programmers who joined before 1980.
87. Display the details of the software developed in Java by female programmers from Cambridge.
88. Display the number of packages, number of copies sold, and sales value for each programmer, categorized by institute.
89. Display the details of the software developed in Julia by male programmers who belong to the institute with the highest number of programmers.
90. Display the details of the software developed by male programmers born before 1930 and female programmers born after 1940.
91. Display the details of the software developed in a language that is neither the primary nor the secondary proficiency of the programmers.
92. Display the details of the software developed by male students of MIT.
93. Display the names of the programmers who have not developed any software packages.
94. What is the total cost of the software developed by programmers from Columbia?
95. Who are the programmers who joined on the same day?
96. Who are the programmers who have the same secondary language proficiency?
97. Display the total sales value of the software, categorized by institute.
98. In which institute did the programmer who developed the most expensive package study?
99. Which language listed as a primary or secondary proficiency has not been used to develop any software package?
100. How much does the person who developed the highest-selling package earn, and what course did they undergo?

101. What is the average salary for programmers whose software sales exceed 50,000?
102. How many packages were developed by students who studied at the institute that charges the lowest course fee?
103. How many packages were developed by the programmer who developed the cheapest package, and where did they study?
104. How many packages were developed by female programmers earning more than the highest-paid male programmer?
105. How many packages were developed by the most experienced programmer from MIT?
106. List the programmers (from the software table) and the institutes they studied at.
107. List each programming language (primary and secondary) with the number of programmers proficient in it and the number of packages developed in that language.
108. List the programmer names (from the programmers table) and the number of packages each has developed.