

Figure1: ERD of Car AutoMechanics

Q5: Write SQL for the following queries based on given ERD.

1. Details of cars owned by “Mehwish Sabih”.
2. Details of customers who own Red cars.
3. Names of employees who have worked on Honda civic.
4. List all appointments of Mr. Rashid’s car(s).
5. List all customers living in F6 and F7. (Note: Address contains complete address of the house)
6. List all jobs carried out by Mr. Shahid (Employee).
7. Name of the most expensive service available.
8. Details of all customers whose name starts with the alphabet ‘A’.
9. Details of all Honda owners with Models between 2000 and 2020.
10. List maximum and minimum salary given to employees.
11. Display name of services that costs maximum.
12. Display name of services that costs minimum.
13. Display all services provided by AutoMechanics in ascending order of cost.
14. Display all services provided by AutoMechanics in descending order of time required.
15. Display number of employees with more than 5 years of experience.
16. Display details of customers with more than two cars.
17. Display total number of Honda civics currently registered with AutoMechanics.
18. Display details of cars that visited AutoMechanics only once.
19. Display details of Mechanics that have not worked on any car yet.
20. Display details of Service(s) not yet availed by any customer.