In Class Exercise for Basic SQL

Exercise setup

Create this table:

army_soldiers Table

date_of_birth	given_name	family_name	Gender	skill
1980-05-05	Bob	Jones	Male	Airplane pilot
1979-12-05	Greg	Byrne	Male	electronics
1978-01-13	Nicholas	Santucci	Male	Computer programming
1983-06-07	Miguel	Sanchez	Male	Foreign Language
1982-08-09	Sarah	Domurat	Female	Airplane pilot
1980-03-05	Caroline	Rielly	Female	International Security

Write Queries according to the following specification

1. Show all records
2. Show all male airplane pilots
3. Show the youngest airplane pilot
4. Show all records whose family name starts with the letter 'S' or 'C'
5. Show all records which have 'yr' anywhere in the family_name field
6. Show all records with given name containing an r (not the first letter and not the last letter) or have a skill of 'Computer Programming'
7. Show all records ordered first by gender, then by date of birth
8. Show the total count of all records in the table
9. Show the oldest male soldier
10. Show the total counts of males and females
11. Show the total counts for each skill
12. Update caroline rielly and change her skill to 'hand-to-hand combat'
13. Delete the row with Miguel Sanchez
14. Update Sarah Domurat change her date of birth to August 10, 1982 and change her skill to 'Helicopter Pilot' IN ONE SQL STATEMENT
15. Show all soldiers with birthdays between May 5, 1980 and August 9, 1982. Use the **BETWEEN** operator
16. Show all soldiers with given names that are equal to 'Bob' or 'Sarah'. Use the **IN** operator
17. Show all soldiers with family names between 'A' and 'M'. Use the **BETWEEN** operator.
18. Show all but the first record for males ordered oldest to youngest

19. Show the list of skills that are in the table. Each skill should only be listed once.