Boats Table

Column Name	Data Type	Description
boat_id	integer	unique identifier for the boat
boat_name	varchar	name of the boat
color	varchar	color of the boat
length	integer	length of the boat in feet
sail_area	integer	total sail area of the boat in square feet

Sailors Table

Column Name	Data Type	Description
sailor_id	integer	unique identifier for the sailor
name	varchar	name of the sailor
dob	date	date of birth of the sailor
nationality	varchar	nationality of the sailor
experience	integer	years of sailing experience of the sailor

Boats Table

boat_id	boat_name	color	length	sail_area
1	Sea Breeze	Blue	30	450
2	Wind Dancer	Red	25	375
3	Oceanic	White	40	600
4	Wave Rider	Yellow	35	525

Sailors Table

sailor_id	name	dob	nationality	experience
1	John Smith	1990-02-15	American	5
2	Maria Garcia	1985-07-28	Spanish	10
3	James Brown	1995-04-03	British	2
4	Anna Nguyen	1992-12-19	Vietnamese	7
5	Roberto Silva	1988-11-11	Brazilian	3

Bookings Table

Column Name	Data Type	Description
booking_id	integer	unique identifier for the booking
sailor_id	integer	foreign key referencing the sailor who made the booking
boat_id	integer	foreign key referencing the boat that was booked
start_date	date	start date of the booking
end_date	date	end date of the booking
price	decimal	total price of the booking

Bookings Table

booking_id	sailor_id	boat_id	start_date	end_date	price
1	1	2	2023-06-01	2023-06-05	500.00
2	3	3	2023-07-10	2023-07-15	900.00
3	5	1	2023-08-21	2023-08-28	750.00
4	2	4	2023-09-05	2023-09-08	400.00
5	4	2	2023-10-01	2023-10-05	500.00

In this example, each row in the `Bookings` table represents a booking made by a sailor for a specific boat, with a start and end date, and a total price. The `sailor_id` and `boat_id` columns are foreign keys that reference the `Sailors` and `Boats` tables, respectively.

1. What is the total number of boats in the database?
2. What is the name of the boat with the highest sail area?
3. What is the name of the sailor with the most sailing experience?
4. What is the average length of all boats in the database?
5. What is the total number of bookings made for the boat with ID 3?
6. What is the average price of all bookings in the database?
7. What is the name of the sailor who made booking ID 1?
8. What is the color of the boat with the shortest length?
9. What is the nationality of the sailor with ID 4?
10. What is the sail area of the boat with ID 2?
11. What is the total number of bookings made by the sailor with ID 5?
12. What is the name of the boat with the highest length?
13. What is the start date of the booking with the highest price?
14. What is the name of the sailor who made the most recent booking?
15. What is the total number of sailors in the database?

1. What is the name of the sailor who booked the boat named "Sea Breeze"?
2. What is the name of the sailor who booked the most expensive boat?
3. What is the total number of bookings made for boats of color "red"?
4. What is the name of the sailor who booked the most number of boats?
5. What is the total revenue generated from all bookings made by sailors of nationality "USA"?
6. What is the name of the boat that was booked by the sailor with ID 2 on 2023-09-05?
7. What is the total number of bookings made for each boat in the database?
8. What is the name of the sailor who made the earliest booking?
9. What is the average price of bookings made by sailors of nationality "France"?
10. What is the name of the sailor who made the most bookings in the year 2023?