Paul Kelly runs Dublin’s Dinghy Sailing Club in Sandymount, Dublin.. He would like to record his members’ records in a database. This database will allow him to have better management over the club on a daily basis.

# Task 1

* 1. Create a database called **Sailing Club**. Create a table named **Member Records** to store the following data.

| **Membership Number** | **Name** | **Subscription Paid** | **Annual Subscription** | **Subscription Date** | **Dinghy Parking Fee Paid** | **Parking Fee** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | John Walsh | Yes | €175.00 | 30/07/2007 | Yes | €30.00 |
| 2 | Benard Behan | Yes | €175.00 | 05/05/2007 | Yes | €50.00 |
| 3 | David Beaton | Yes | €175.00 | 27/03/2007 | Yes | €42.00 |
| 4 | Irene Beasley | No | €0.00 | 28/08/2007 | Yes | €44.00 |
| 5 | Anthony Boyles | Yes | €175.00 | 27/06/2007 | No | €30.00 |
| 6 | Kevin Bowie | Yes | €175.00 | 12/07/2007 | Yes | €45.00 |
| 7 | Martin Boyle | Yes | €175.00 | 25/08/2007 | Yes | €22.00 |
| 8 | Donna Brennan | Yes | €175.00 | 15/04/2007 | No | €30.00 |
| 9 | Joe Breathnach | Yes | €175.00 | 18/03/2007 | Yes | €10.00 |
| 10 | Joey Byrne | Yes | €175.00 | 13/08/2007 | Yes | €50.00 |
| 11 | Elaine Coyne | No | €0.00 | 15/12/2007 | No | €35.00 |
| 12 | Margaret Crosby | Yes | €175.00 | 18/03/2007 | Yes | €15.00 |
| 13 | Maria Dee | Yes | €175.00 | 15/06/2007 | Yes | €12.00 |
| 14 | Jane Dixon | Yes | €175.00 | 27/07/2007 | Yes | €50.00 |

Set up a validation rule which ensures that the Parking Fee must be in the range 10 – 50 inclusive. If the user attempts to enter a number outside of this range, the error message “Parking Fee must be between €10 and €50 inclusive” should be displayed.

* 1. Complete the **Data Structure Form** provided to show the Field Names, Data Types and Field Sizes

# Task 2

2.1 Design and create a form to allow the user to input the data shown above. The format of the form should be as follows:

* Insert the title **Club Members** centrally on the form
* Display two fields on each line
* Place a label beside each field
* Create a combo box for the *Parking Fee* field. Each parking fee should appear once in the combo box
* Set up the tab order of the form as follows:

|  |  |  |
| --- | --- | --- |
|  |  | **Field Name** |
|  | 1 | Membership Number |
|  | 2 | Name |
|  | 3 | Subscription Paid |
|  | 4 | Annual Subscription |
|  | 5 | Subscription Date |
|  | 6 | Dinghy Parking Fee Paid |
|  | 7 | Parking Fee |

* Save the form as **Club Members**

2.2 Input the data shown above using the **Club Members** form

**Task 3**

Create queries for each set of criteria listed below.

3.1 Select and print all records of members who have paid their **Dinghy Parking Fee**. Save this query as **Dinghy Parking**.

3.2 Select and print all records of all members whose name begins with the letter J. **(use a wildcard)**. Save this query as **Names**.

3.3 Select and print all records of members who have paid a parking fee of €30 or €50. Save the query as **Dinghy parking fees of €30 or €50**.

3.4 Select and print all records of all the members who have paid less than €50 parking fee who’s membership number is less than 10 and that they have there annual subscription paid**.** Save this query as **Annual Subscription.**

3.5 Create a parameter query which will find the record an individual club member. The query should display the message Enter member’s full name when it is run. Save this query as **Member Details.**

## DATABASE STRUCTURE FORM

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Field Size** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
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