Since 2020, Scotland Golfers has maintained a database of every golf club member in Scotland. The database stores details of each player along with the club they are a member of and their handicap.

The database also stores the results of club competitions that take place all over Scotland including a unique code for each individual result and the type of match (Match Play, Stroke Play or Stableford).

Each table contains thousands of rows. A selection of rows from the two database tables are shown below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table: Golfer** | | | | | | |
| **scotGolfNo** | **forename** | **surname** | **age** | **club** | **handicap** |
| 9274632 | Craig | White | Junior | Dundee Golf Club | 12 |
| 8364766 | Donna | Winter | Adult | St Andrews Golf Club | 4 |
| 9364521 | Kai | Smart | Adult | Perth Golf Club |  |
| 1284361 | Kyra | Assam | Junior | Arbroath Golf Club | 5 |
| 7634520 | Jamie | Grey | Senior | Dundee Golf Club | 22 |
| … | … | … | … | … | … |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table: Result** | | | | | | | | |
| **resultID** | **competition** | **level** | **type** | **year** | **score** | **scotGolfNo** | **matchType** |
| DUF0022 | Dunfermline Carnegie Cup | Junior | Ladies | 2021 | 91 | 1100752 | stroke play |
| DUN0022 | Dundee Masters | Adult | Mixed | 2021 | 88 | 1154763 | stableford |
| DUN0129 | Dundee Open | Adult | Gents | 2022 | 80 | 1162891 | stroke play |
| HAW0011 | Hawick Seniors | Senior | Ladies | 2021 | 78 | 1465550 | stroke play |
| STA0013 | St Andrews Cup | Adult | Gents | 2021 | 81 | 1162891 | stroke play |
| OBN0007 | Oban Match Play | Adult | Gents | 2021 | 75 | 1307246 | match play |
| … | … |  |  |  | … | … | … |

**For each of the following questions write the SQL required to create the described output.**

**Question 1 (2 marks)**

SELECT \_\_\_score\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FROM \_Result\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WHERE \_\_\_competition = “Edinburgh Masters”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Output the scores of every golfer who played in the Edinburgh Masters competition.

**Question 2 (3 marks)**

SELECT \_\_\_\_forename, surname\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FROM \_\_\_\_\_\_\_golfer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WHERE \_\_\_\_\_age = “Senior”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Output the full names of all the senior members of Dundee Golf Club.



**Question 3 (3 marks)**

SELECT \_\_\_\_\_\_\_forename, surname, club\_\_\_\_\_\_\_\_\_\_

FROM golfer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WHERE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_age = “Junior”, handicap < 10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Output the full names and club of all junior golfers with a handicap less than 10.

**Question 4 (3 marks)**

SELECT \_\_resultID. score\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FROM \_\_\_\_Result\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WHERE \_\_\_year = 2021\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Output the resultID and score from all the match play competitions in 2021.

**From this point on data from both tables will be required to produce the output.**

**Question 5 (4 marks)**

SELECT forename, surname, scotGolfNo, score

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo, Golfer.club = “Dumfries Golf Club” AND Result.year = 2021

Output the full name, ScotGolfNo and score of all the Dumfries Golf Club members who have played in a 2021 competition.

**Question 6 (5 marks)**

SELECT forename, surname

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo, Golfer.age = “Senior”, Result.score < 72, Result.year = 2021

Output the full names of all the senior golfers who scored less than 72 in 2021.

**Question 7 (5 marks)**

SELECT forename, surname

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo, Golfer.age = “Junior”, Result.year = 2021 or 2022, Result.level = “Senior”

Output the full name of all the Junior golfers who played in a 2021 or 2022 senior competition.

SELECT forename, surname, scotGolfNo

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo.Golfer.handicap > 10, Result.type = “Mixed”, Result.score < 80

**Question 8 (6 marks)**

Output a list of all the Junior golfers, including the Scottish Golf Number, with a handicap greater than 10 who played in mixed competition and scored less than 80.