Scotland Golfers   Task 2 (SELECT with WHERE conditions)

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
ABDL001	Aberdeen Match	Junior	Ladies	2021	89	1283461	match play
DGCG001	Dunfermline Open	Adult	Gents	2021	80	9364521	stroke play
DGCG023	Dunfermline Open	Adult	Gents	2022	73	9364521	stroke play
EDNG001	Edinburgh Masters	Senior	Mixed	2022	69	7634520	stableford
EDNG002	Edinburgh Masters	Senior	Mixed	2022	92	6625456	stableford
EDNG003	Edinburgh Masters	Senior	Mixed	2022	85	0973626	stableford
...	...				...	...	...

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

Award marks each answer as follows:

- **1 mark for both correct fields in SELECT and correct table(s) in FROM**
- **1 mark for join (from question 5 onwards)**
- **1 mark for each correct condition in WHERE**

Question 1   (2 marks)

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

```
SELECT forename, surname
FROM Golfer
WHERE club = "Dundee Golf Club";
```

Question 2   (2 marks)

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

```
SELECT score
FROM Result
WHERE competition = "Edinburgh Masters";
```

Question 3   (3 marks)

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

```
SELECT forename, surname, club
FROM Golfer
WHERE age = "Junior"
AND handicap < 10;
```

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Question 4   (3 marks)

Output the resultID and score from all the match play competitions in 2020.

```
SELECT resultID, score

FROM Result

WHERE matchType = "match play"

AND year = 2020;
```

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

Question 5   (4 marks)

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

```
SELECT forename, surname, scotGolfNo

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo

AND club = "Dumfries Golf Club"

AND year = 2021;
```

Question 6   (5 marks)

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

```
SELECT forename, surname

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo

AND score < 72

AND year = 2021

AND age = "Senior";
```

Question 7   (5 marks)

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

```
SELECT forename, surname

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo

AND level = "Senior"

AND year = 2021

OR year = 2022;
```

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 75.

Note that the output is deliberately vague in this question. Students should surmise that to get a list of golfers their names are required.

```
SELECT surname, forename

FROM Golfer, Result

WHERE Golfer.scotGolfNo = Result.scotGolfNo

AND handicap > 10

AND type = "Mixed"

AND score < 75

AND age = "Junior";
```