

# Scotland Golfers

## Task 3 (SELECT with ORDER BY)

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
...	...				...	...	...

- 1 mark for SELECT and FROM Note – Sort defaults to ASC so still
- 1 mark for each condition in WHERE and during the join further
- 1 mark for each correct column in ORDER BY ASC is correct order

Question 1 – The output below displays every golfer in the Scotland Golfers database.

(2)

scotGolfNo	forename	surname
1023678	Orza	Abato
1026892	Kiera	Daily
1028678	Reece	Williams
1036746	Gianna	McCann
1038851	Jack	Duff
1040029	Lily	Fairway
1049990	Violet	Alessi
...	...	...

```
SELECT scotGolfNo, forename, surname
FROM Golfer
ORDER BY scotGolfNo ASC
```

Question 2 – The output below was produced for all the golfers with the surname White.

(3)

club	handicap
Braehead Golf	36
Cairnpark	32
Dundee Golf Club	28
Dundee Golf Club	16
Elgin Golf Club	19
Nairn Golf Club	20
Tiree Golf Club	14

```
SELECT club, handicap
FROM Golfer
WHERE surname = "White"
ORDER BY club ASC
```

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...	...
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**Question 3** – The output below was produced for all Ladies who have played in the annual Dunfermline Open tournament. (4)

resultID	year	score
DGCL001	2020	92
DGCL100	2020	91
DGCL097	2020	93
DGCL020	2020	78
DGCL002	2020	87
DGCL103	2021	86
DGCL004	2021	74
...	...	...

```
SELECT resultID, year, score
FROM Result
WHERE type = "Ladies"
AND competition = "Dunfermline Open"
ORDER BY year ASC
```

**Question 4** – The output below was created to find the highest score of any Portree Golf Club member, with a handicap of 10 or less, who took part in stroke play competition. (6)

forename	surname	age	score
Andrew	Reid	Adult	94
Madeline	Campbell	Junior	93
Dylan	Murray	Junior	88
Maverick	Bruce	Adult	88
Khadem	Malik	Adult	87
Issac	Blau	Adult	87
Ximena	Abbas	Senior	84
...	...	...	...

```
SELECT forename, surname, age, score
FROM Golfer, Result
WHERE Golfer.scotGolfNo = Result.scotGolfNo
AND handicap <= 10
AND club = "Portree Golf Club"
AND matchType = "stroke play"
ORDER BY score DESC
```

**Question 5** – The output below displays the handicap of all junior golfers who have played in an adult competition. (5)

forename	surname	handicap
Grace	Roberts	23
Hudson	King	21
Eleanor	Clarke	21
Serenity	Kimathi	16
Ezra	Young	15
Rylee	Anderson	15
Isaiah	Hoffman	14
...	...	...

```
SELECT forename, surname, handicap
FROM Golfer, Result
WHERE Golfer.scotGolfNo = Result.scotGolfNo
AND age = "Junior"
AND level = "Adult"
ORDER BY handicap DESC
```

**Question 6** – The output below shows results from last year's Junior, Girvan Open competition. (6)

forename	surname	score
Claire	Williams	89
Daniel	Simpson	90
Elias	Moore	93
Fiona	Mackay	93
Elena	Fraser	92
Nathan	Davidson	94
Thomas	Campbell	97
...	...	...

```
SELECT forename, surname, score
FROM Golfer, Result
WHERE Golfer.scotGolfNo = Result.scotGolfNo
AND level = "Junior"
AND competition = "Girvan Open"
AND year = 2021 *year may be different
ORDER BY surname DESC
```

The next two questions have output that requires more the one column to be sorted into order.

**Question 7** – The output below displays the handicap of all senior golfers who play at Lamlash Golf Club.

(6)

scotGolfNo	forename	surname	handicap
7863546	Ivy	Abbot	9
4355889	Skylar	Abbot	12
1236567	John	Abbot	14
2314323	Savannah	Chidubem	12
3249800	Logan	Dawson	2
8965366	Mason	Dawson	4
2343455	Henry	Dawson	12
3446789	Levi	Dowd	10
...	...	...	...

```
SELECT  scotGolfNo, forename, surname, handicap
FROM    Golfer, Result
WHERE   Golfer.scotGolfNo = Result.scotGolfNo
AND     age = "Senior"
AND     club = "Lamlash Golf Club"
ORDER BY surname ASC, handicap ASC
```

**A hard one to finish with. Read carefully!!**

**Question 8** – The output below displays the results of the 2020, Ladies, Sanquhar Masters competition.

(7)

resultID	forename	surname	score	handicap
SAQS001	Hannah	Stern	87	13
SAQS002	Isla	Robertson	87	14
SAQS012	Leah	Reid	86	14
SAQS023	Lucy	Miller	86	16
SAQS005	Paisley	Morrison	85	17
SAQS036	Maya	Jones	82	19
SAQS037	Stella	Haddad	82	22
SAQS008	Violet	Gray	81	20
...	...	...	...	...

```
SELECT  resultID, forename, surname, score, handicap
FROM    Golfer, Result
WHERE   Golfer.scotGolfNo = Result.scotGolfNo
AND     year = 2020
AND     type = "Ladies"
AND     competition = "Sanquhar Masters"
ORDER BY score DESC, resultID ASC
```

