

Step 1. Query

Query()

Every query starts with this.

Example.

Query()

Step 2. Filter

Filter('Stroke')

Filters strokes down to a narrower set of strokes. Attributes can be specified after the selected stroke. More than one attribute can be applied per stroke. Attributes have dots before them.

Examples:

-- birdie putt that was holed --

Query().Filter('Green.GIR.Holed')

-- hole in one --

Query().Filter('Tee.Holed')

-- penalties --

Query().Filter('Penalty')

-- multiple filters chained --

Query().Filter('Green').Filter('.GIR')

Stroke	Attributes
Tee	.Holed
Fairway	.Left .Right .Holed
Rough	.Primary .Intermediate .Holed
Bunker	.Fairway .Greenside .Holed
Fringe	.Holed
Green	.Putt .GIR .Miss .Holed
NativeArea	.Holed
Penalty	.Holed
Other	.Holed

PreviousShot()

Selects the previous shot of the current filtered set.

Example

```
-- selects the shot that resulted in a green in regulation --  
Query().Filter('Green.GIR').PreviousShot()
```

Not('Stroke')

Like filter but selects everything that isn't the stroke

Example

```
-- selects shots that resulted in a green in regulation that didn't come from a bunker --  
Query().Filter('Green.GIR').PreviousShot().Not('Bunker')
```

Score('Score')

Limits result to score of hole.

Example

```
-- selects shots that resulted in a green in regulation that didn't come from a bunker and resulted in a birdie --  
Query().Filter('Green.GIR').PreviousShot().Not('Bunker').Score('Birdie')
```

Score	Value
Eagle	Eagle
Birdie	Birdie
Par	Par
Bogey	Bogey
Double Bogey	DoubleBogey

Step 2. Group

PerPlayer()

Groups the query per player.

Example

```
-- selects shots that resulted in three puts bogeys per player --  
Query().Filter('Green.GIR').Score('Bogey').PerPlayer()
```

PerPlayer('Player')

Groups the query per specified player

Example

```
-- selects shots that resulted in three puts bogeys per player --  
Query().Filter('Green.GIR').Score('Bogey').PerPlayer('Mike Weir')
```

PerTournament()

Groups the query per tournament.

Example

```
-- selects shots that resulted in three puts bogeys per tournament--  
Query().Filter('Green.GIR').Score('Bogey').PerTournaments()
```

Step 3. Select Values (Optional)

Values('Properties')

Selects properties of the shot to display. Values include distance to pin and location of shot.

Example

```
-- selects the shot that resulted in a green in regulation and shows the location and distance to pin from that stroke --  
Query().Filter('Green.GIR').PreviousShot().PerPlayer('Steve Stricker').Values('ToPin:Yards, Location')
```

Property	Value
Distance to pin.	ToPin:Yards
Specified in Yards or Feet	ToPin:Feet
Location of shot	Location

Between('Range')

Selects values between a certain range.

Example

```
-- selects missed puts between 7-8 feet for the entire field of the tournament  
var range = {min:7, max:8};  
Query().Filter('Green.Miss').PerTournament().Values('ToPin:Feet').Between(range)
```

Step 4. Aggregate (Can be skipped if using Step 3)

Average()

Selects the average of the property selected.

Example

-- selects the average distance to pin of birdie putts grouped by player --
`Query().Filter('Green.GIR').PerPlayer().Values('ToPin:Feet').Average()`

Count()

Counts the selected set.

Example

-- selects the count of greens in regulation per player --
`Query().Filter('Green.GIR').PerPlayer().Count()`

Step 5. Order (Optional)

Ascending()

Ascending order.

Example

-- orders the count of green in regulation in ascending order --
`Query().Filter('Green.GIR').PerPlayer().Count().Ascending()`

Descending()

Descending order.

Example

-- orders the count of green in regulation in descending order --
`Query().Filter('Green.GIR').PerPlayer().Count().Descending()`

Step 6. Execute

Print()

Displays the results. Every query must end with this.

Example

-- displays the number of greens in regulation per player in descending order --
`Query().Filter('Green.GIR').PerPlayer().Count().Descending().Print()`