**1: who is the winner of a competition**

list competitions:

SELECT DISTINCT

name, year

FROM

disc\_golf.competition\_results;

\*user enters competition and year

Present winner:

SELECT name,id,nationality,total from disc\_golf.players

JOIN

(SELECT

player\_id, SUM(result) AS total

FROM

disc\_golf.competition\_results

WHERE

year = '2020'

AND competition\_results.name = 'slottsskogen open'

GROUP BY player\_id

ORDER by total

LIMIT 1

) as winner ON players.id = winner.player\_id;

**2: which discs of a specified class can be thrown longer than a specified range by a specified level**

User provides:

classification (driver, fairway driver, midrange, putt),

range in meter

level (average\_range\_beginner, average\_range\_advanced, average\_range\_pro)

query:

SELECT name FROM disc\_golf.discs where classification = {} and {} >= {};.format(classification, level,range )

**3: Classification of the most used tee\_pad disc on a given course**

**List courses:** SELECT distinct name from disc\_golf.holes;

**User enter course\***

**Fetch most used disc**

SELECT

classification

FROM

disc\_golf.discs

WHERE

name = (SELECT

tee\_pad\_disc

FROM

(SELECT

tee\_pad\_disc, COUNT(tee\_pad\_disc) AS discCount

FROM

disc\_golf.competition\_results where competition\_results.course = 'almhults discgolfbana'

GROUP BY tee\_pad\_disc

ORDER BY discCount DESC # sort in falling order

LIMIT 1) AS mostUsed); # get the first result

**4: facts about the most owned disc**

SELECT

name,

classification,

speed,

glide,

turn,

fade,

average\_range\_beginner,

average\_range\_advanced,

average\_range\_pro

FROM

disc\_golf.discs

WHERE

name = (SELECT

disc\_name

FROM

(SELECT

disc\_name, COUNT(disc\_name) AS discCount

FROM

disc\_golf.bags

GROUP BY disc\_name

ORDER BY discCount DESC # order in decending

LIMIT 1) AS mostOwned); # get the first result

**5: look inside player bag**

List players

SELECT \* from disc\_golf.players;")

\*user enters id of a player

get name

SELECT name from disc\_golf.players where id = {}".format(playerId))

fetch bag

fetchBag = "SELECT disc\_name,"\

    "plastic\_type,"\

    "weigth,"\

    "speed,"\

    "glide,"\

    "turn,"\

    "fade,"\

    "classification"\

    " FROM disc\_golf.bags"\

    " JOIN disc\_golf.discs ON discs.name = bags.disc\_name"\

    " and bags.owner\_id = {}"\

    " order by classification;".format(playerId)

**6: longest hole in a specific competition**

**select competition\_results.name, year,course, holes.hole, par, distance from disc\_golf.competition\_results**

**JOIN holes ON competition\_results.course = holes.name**

**AND competition\_results.hole = holes.hole**

**AND competition\_results.name = 'slottsskogen open' #provided**

**AND year = '2019' #provided**

**order by distance DESC**

**limit 1;**