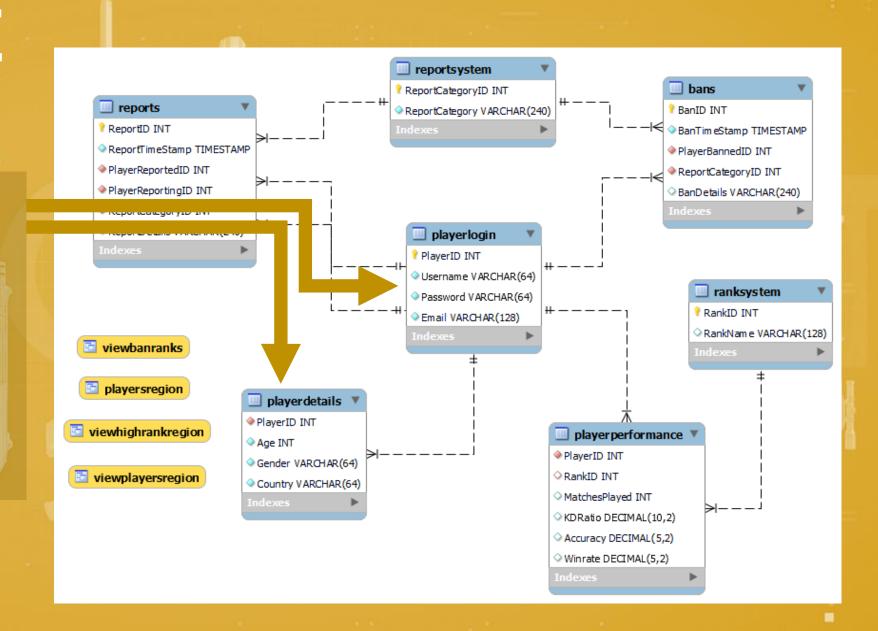


Account Information

Player Performance

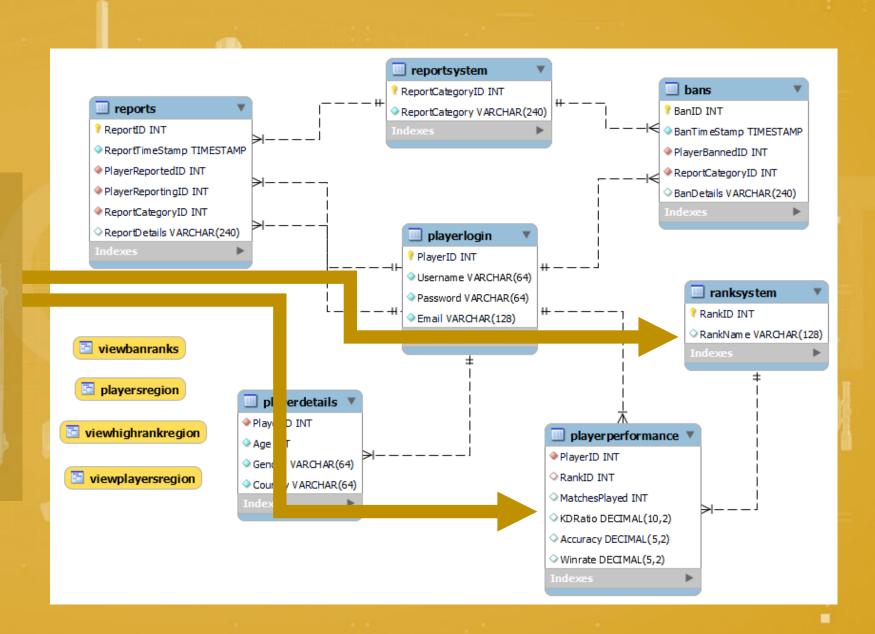
Report System



Account Information

Player Performance

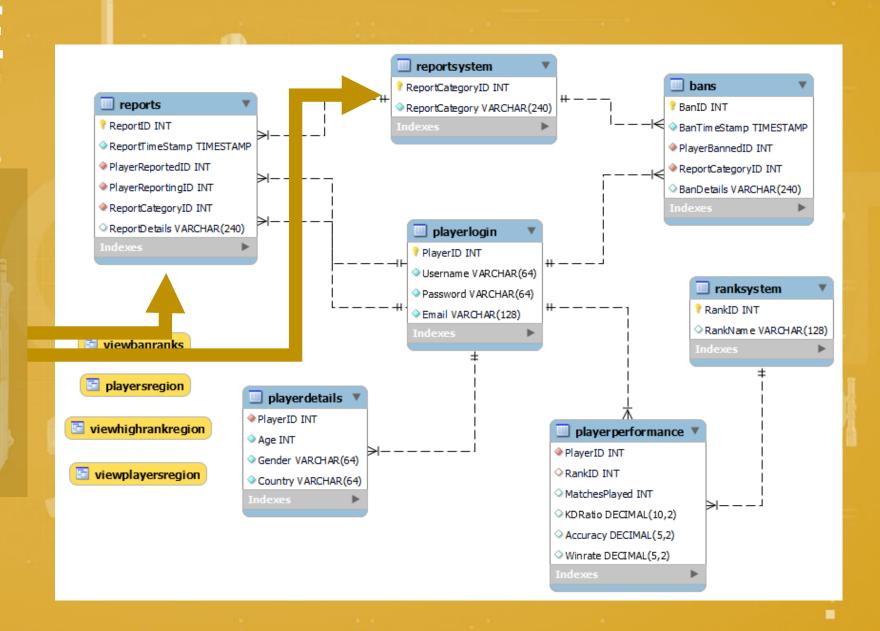
Report System



Account Information

Player Performance

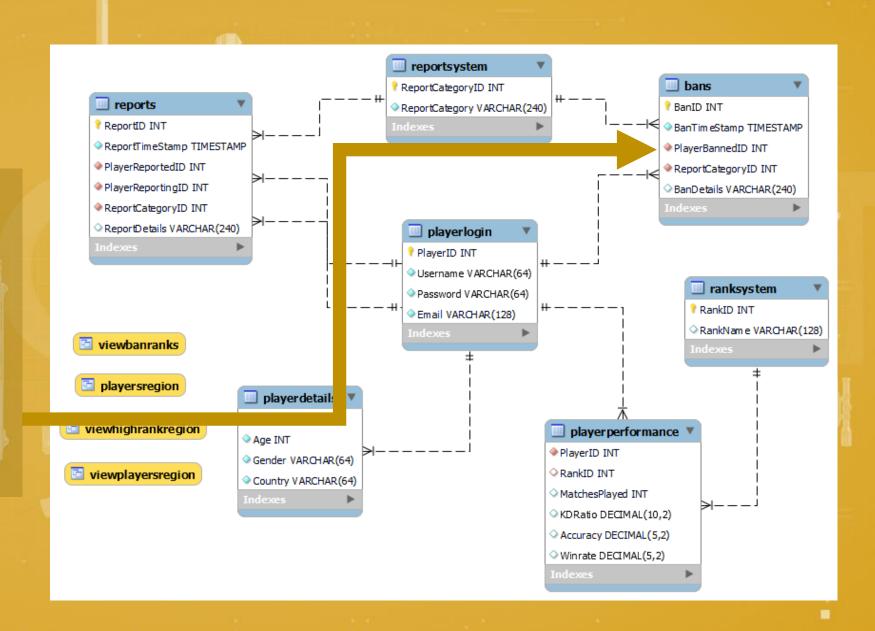
Report System



Account Information

Player Performance

Report System



DEMO – STORED FUNCTION

```
200
       DELIMITER //
201 •
        CREATE FUNCTION
            IsCheating (MatchesPlayed INT, KDRatio DEC(5,2), Winrate DEC(10,2))
202
203
        RETURNS
204
            VARCHAR(64) -- data type of function output
205
        DETERMINISTIC
206
       BEGIN
           DECLARE PlayerStatus VARCHAR(64); -- variable name for function output
207
208
               IF (MatchesPlayed >= 10 AND KDRatio >= 3.0 AND Winrate >= 70)
                   THEN SET PlayerStatus = 'highly likely';
209
               ELSEIF (MatchesPlayed >= 10 AND KDRatio >= 3.0 AND (Winrate >=60 AND WINRATE < 70))
210
                    THEN SET PlayerStatus = 'likely';
211
212
               ELSEIF (MatchesPlayed >= 10 AND KDRatio >= 3.0 AND (Winrate >= 50 AND WINRATE < 60))
213
                    THEN SET PlayerStatus = 'unlikely';
214
               ELSEIF (MatchesPlayed >= 10 AND KDRatio >= 3.0 AND Winrate < 50)
                    THEN SET PlayerStatus = 'unlikely';
215
                ELSEIF (MatchesPlayed >= 10 AND KDRatio <= 3.0 AND Winrate > 50)
216
                   THEN SET PlayerStatus = 'highly unlikely';
217
218
               ELSEIF (MatchesPlayed >= 10 AND KDRatio <= 3.0)</pre>
219
                    THEN SET PlayerStatus = 'highly unlikely';
220
               ELSE
221
                   SET PlayerStatus = 'n/a';
222
               END IF;
223
           RETURN PlayerStatus:
       END //
224
225
226
       DELIMITER ;
```

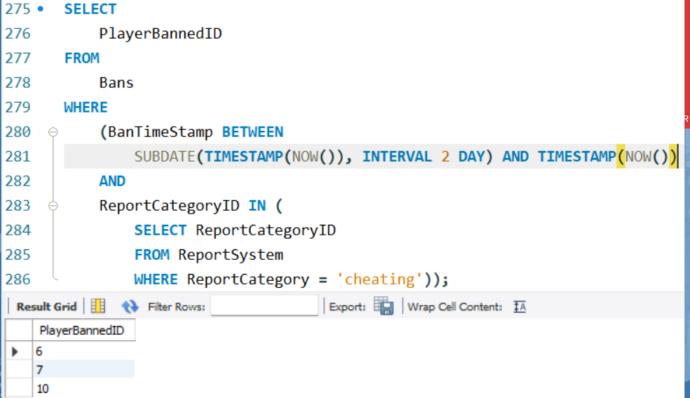
IsCheating()

```
244 •
      SELECT
          PlayerID,
245
          IsCheating(MatchesPlayed, KDRatio, Winrate) AS IsCheating
246
247
      FROM
          PlayerPerformance
248
249
      WHERE PlayerID = 7;
 Result Grid Filter
                              Result Grid
     PlaverID
             IsCheating
                                  PlayerID IsCheating
> 7
             highly likely
                             10
                                          n/a
```

function outputs

creating function

DEMO SUBQUERY





HACKER DETECTED

MATCH TERMINATED

R HAS BEEN PUNISHED AND YOUR GAME HAS BEEN CANCELLED, NO WIN OR LOSS HAS BEEN CREDITED FOR ANY PLAYERS



results

DEMO – STORED PROCEDURE

InstaBan()

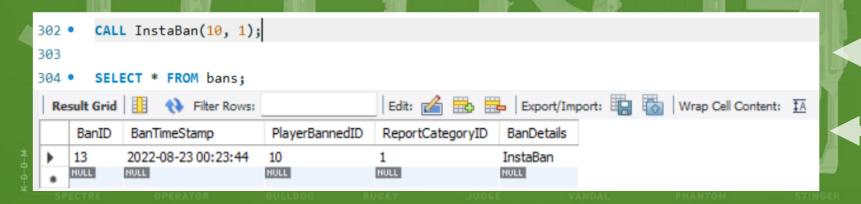
```
DELIMITER //
291
292 • ⊖ CREATE PROCEDURE InstaBan (
           IN PlayerID INT,
293
           IN ReportCategoryID INT
294
295
296
       BEGIN
297
           INSERT INTO Bans(BanTimeStamp, PlayerBannedID, ReportCategoryID, BanDetails)
           VALUES (TIMESTAMP( NOW() ), PlayerID, ReportCategoryID, 'InstaBan');
298
       END //
299
       DELIMITER ;
300
```

create stored procedure

slower ban method

call stored
procedure
(quicker ban
method)

results



DEMO – GROUP BY

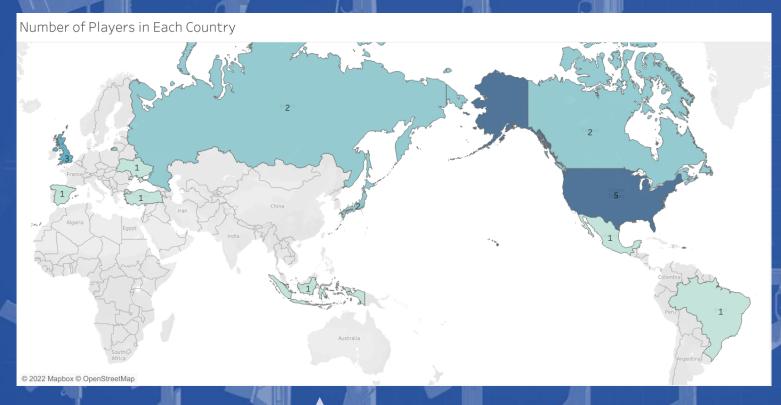
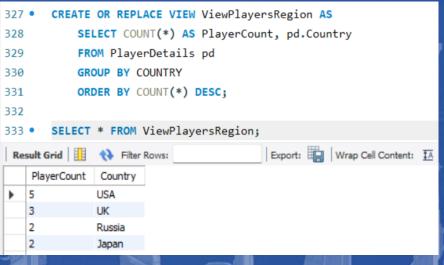
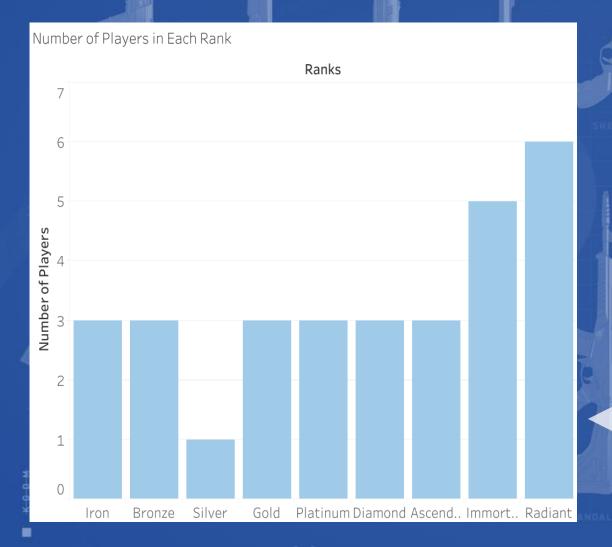


tableau map create group by

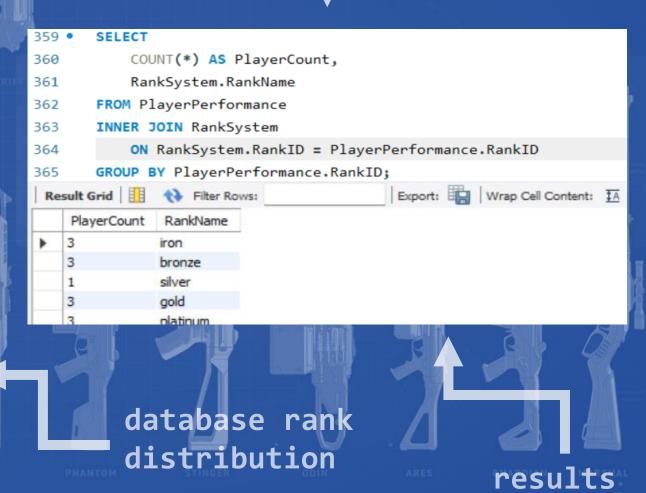


results

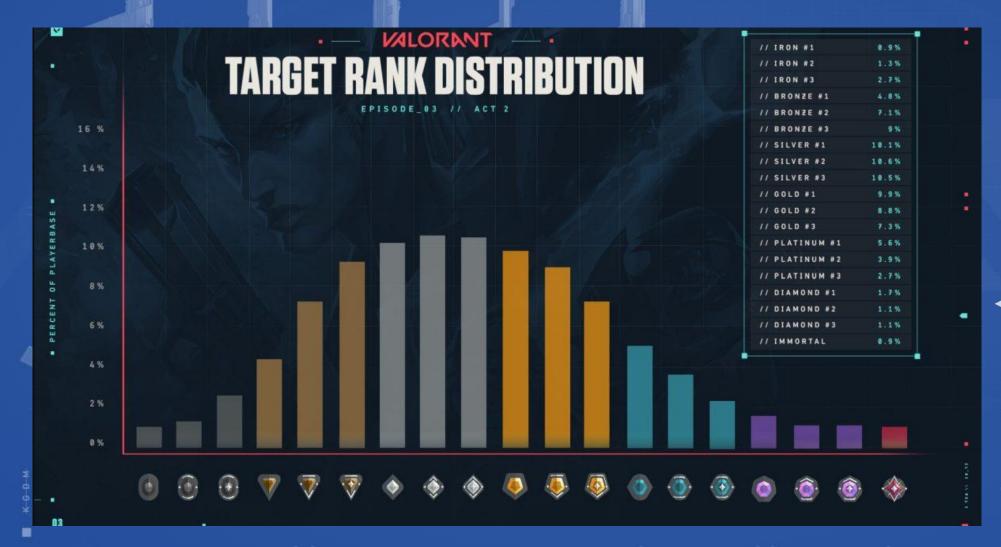
DEMO – GROUP BY







DEMO - GROUP BY



a more realistic rank distribution

•

