

ANU BaksetBall Database

DDL

```
1 CREATE SCHEMA `anubasketball` ;
2
3 CREATE TABLE `anubasketball`.`competition_manager` (
4     pk_id int auto_increment,
5     uk_username varchar(20) not null unique,
6     password varchar(20) not null,
7     primary key (pk_id));
8
9 CREATE TABLE `anubasketball`.`competition` (
10    pk_id int auto_increment,
11    competition_name varchar(50) not null,
12    logo_location text,
13    season year not null,
14    gender varchar(10) not null,
15    manager_id int not null,
16    primary key (pk_id),
17    foreign key(manager_id)references competition_manager(pk_id),
18    check(competition_loop>0),
19    check(gender='male' or gender='female' or gender='mix')
20 );
21
22 CREATE TABLE `anubasketball`.`team` (
23     pk_id int auto_increment,
24     uk_teamname varchar(50) not null unique,
25     logo_location text,
26     primary key (pk_id)
27 );
28
29 CREATE TABLE `anubasketball`.`record` (
30     pk_teamid int,
31     pk_competitionid int,
32     gameplayed int default 0,
33     won int default 0,
34     draw int default 0,
35     lose int default 0,
36     primary key(pk_competitionid,pk_teamid),
37     foreign key(pk_competitionid)references competition(pk_id),
38     foreign key(pk_teamid)references team(pk_id)
39 );
40
41 CREATE TABLE `anubasketball`.`person` (
42     pk_id int auto_increment,
43     person_name varchar(100) not null,
44     gender varchar(10) not null,
45     logo_location text,
46     primary key (pk_id),
47     check(gender='male' or gender='female')
```



```

48 );
49
50 CREATE TABLE `anubasketball`.`role_in_team`(
51     pk_personid int,
52     pk_teamid int,
53     role varchar(10) not null,
54     primary key(pk_personid,pk_teamid),
55     foreign key(pk_personid)references person(pk_id),
56     foreign key(pk_teamid)references team(pk_id),
57     check(role='player' or role='coach')
58 );
59
60 CREATE TABLE `anubasketball`.`basketball_match`(
61     pk_id int auto_increment,
62     round int not null,
63     match_date datetime,
64     location text,
65     home_team_score int default 0,
66     guest_team_score int default 0,
67     competition_id int not null,
68     primary key (pk_id),
69     foreign key (competition_id) references competition(pk_id),
70     check(round>=1),
71     check(home_team_score>=0),
72     check(guest_team_score>=0)
73 );
74
75
76 CREATE TABLE `anubasketball`.`role_in_match`(
77     pk_personid int,
78     pk_matchid int,
79     role varchar(10) not null,
80     primary key(pk_personid,pk_matchid),
81     foreign key(pk_personid)references person(pk_id),
82     foreign key(pk_matchid)references basketball_match(pk_id),
83     check(role='player' or role='duty' or role='referee')
84 );
85
86 CREATE TABLE `anubasketball`.`teamside`(
87     pk_teamid int,
88     pk_matchid int,
89     pk_is_host bool,
90     primary key(pk_teamid, pk_matchid,pk_is_host),
91     foreign key (pk_teamid) references team(pk_id),
92     foreign key (pk_matchid) references basketball_match(pk_id)
93 )

```

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