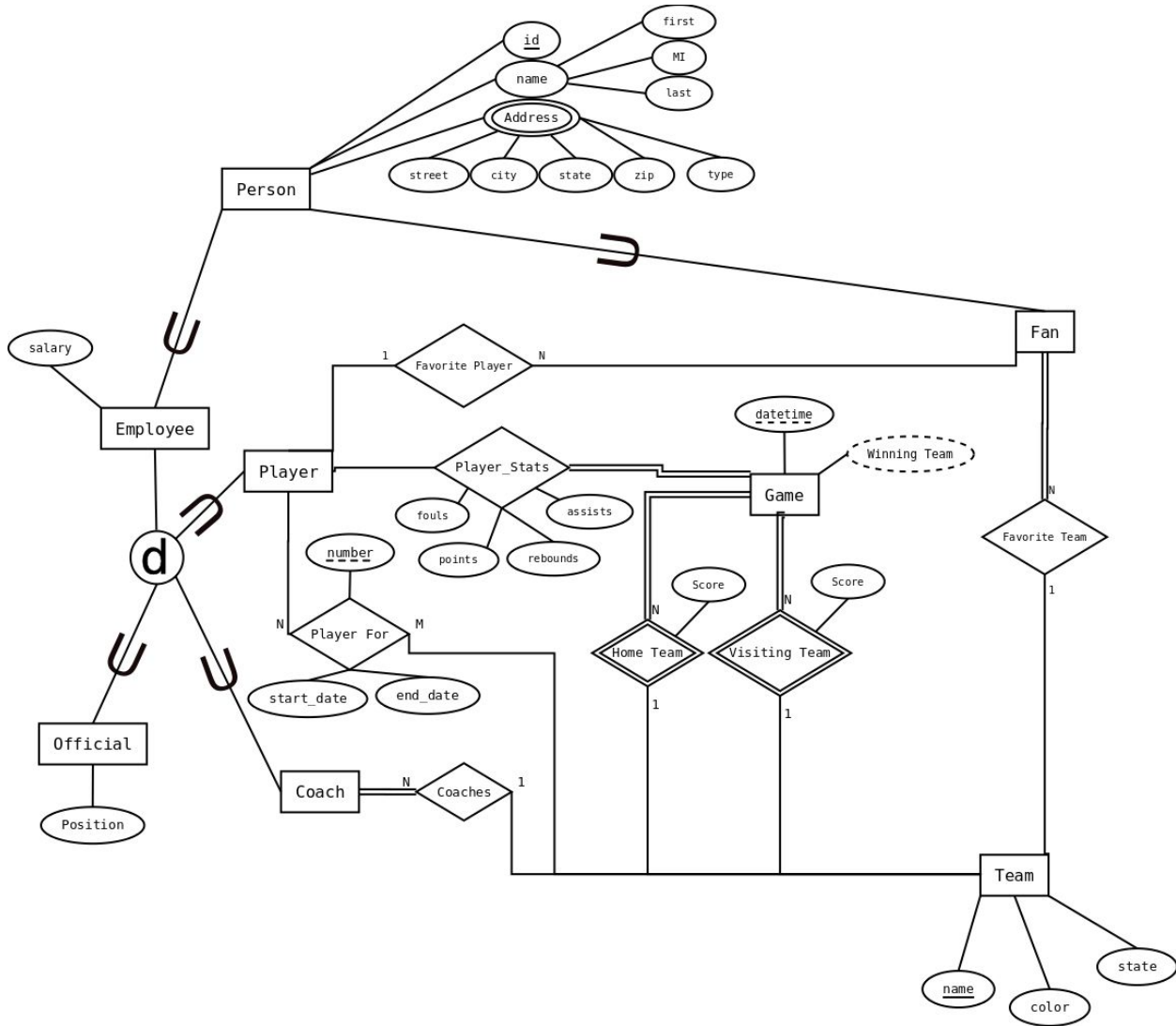
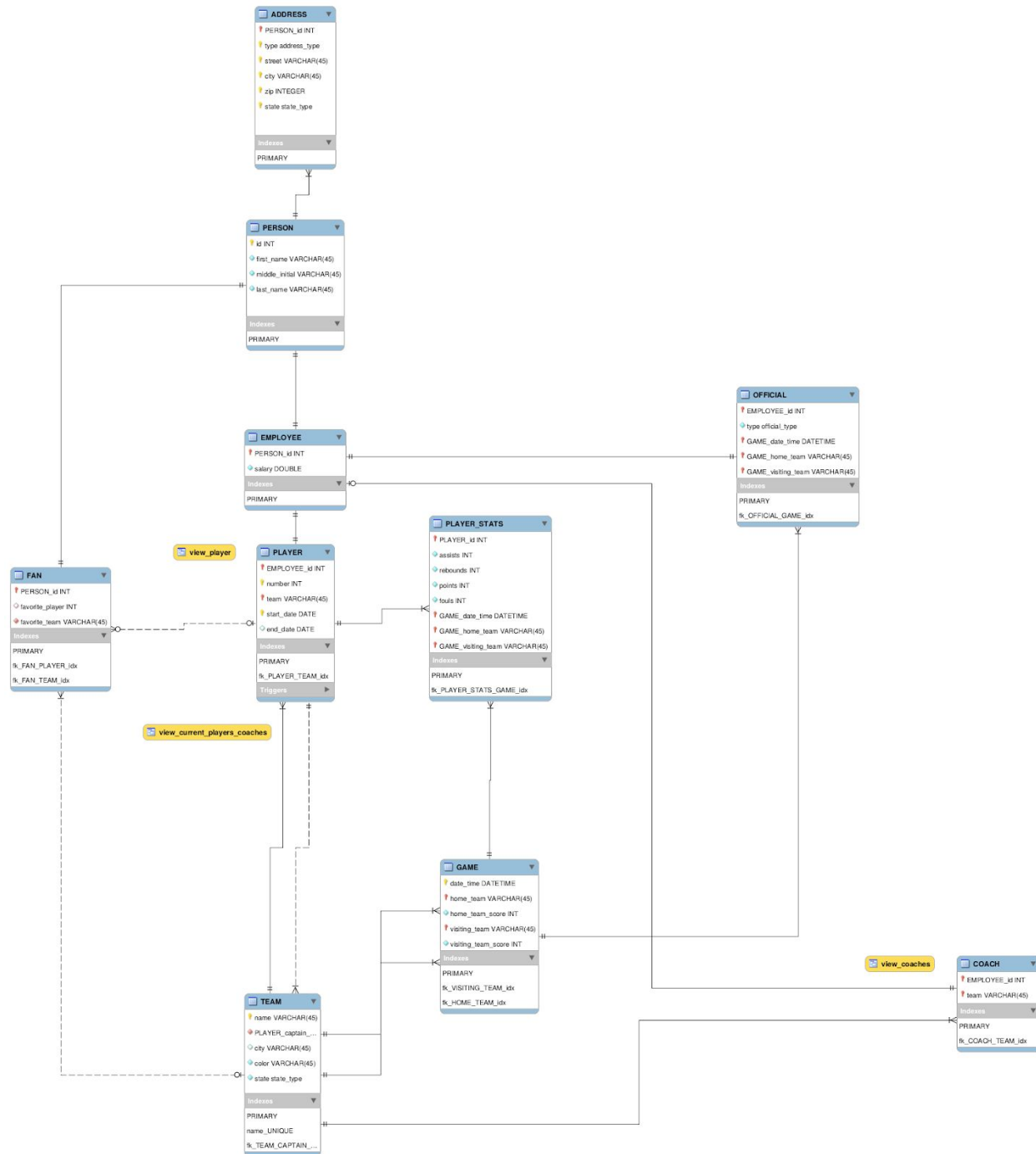


DIA Diagram:



EER Diagram:



SQL Code (About 20 pages):

-- MySQL dump 10.13 Distrib 5.7.24, for Linux (x86_64)

--

-- Host: localhost Database: BB DB

--

-- Server version 5.7.24-0ubuntu0.18.04.1

/*!40101 SET

@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;

/*!40101 SET

@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;

/*!40101 SET

@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;

/*!40101 SET NAMES utf8 */;

/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;

/*!40103 SET TIME_ZONE='+00:00' */;

/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS,

UNIQUE_CHECKS=0 */;

/*!40014 SET

@OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,

FOREIGN_KEY_CHECKS=0 */;

/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE,

SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;

/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;

--

-- Current Database: `BB DB`

--

CREATE DATABASE /*!32312 IF NOT EXISTS*/ `BB DB` /*!40100 DEFAULT
CHARACTER SET utf8 */;

USE `BB DB`;

```

--
-- Table structure for table `ADDRESS`
--

DROP TABLE IF EXISTS `ADDRESS`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `ADDRESS` (
  `PERSON_id` int(11) NOT NULL,
  `type` set('Mailing','Physical') NOT NULL,
  `street` varchar(45) NOT NULL,
  `city` varchar(45) NOT NULL,
  `zip` int(11) NOT NULL,
  `state`
set('Alabama','Alaska','Arizona','Arkansa','California','Colorado','Deleware','Florid
a','Georgia','Hawaii','Idaho','Illinois','Indiana','Iowa','Kansas','Kentucky','Louisiana',
'Maine','Maryland','Massachusets','Michigan','Minnesota','Mississippi','Missouri','
Montana','Nebraska','Nevada','New Hampshire','New Jersey','New Mexico','New
York','North Carolina','North
Dakota','Ohio','Oklahoma','Oregon','Pennsylvania','Rhode Island','South
Carolina','South
Dakota','Tennesse','Texas','Utah','Vermont','Virginia','Washington','West
Virginia','Wisconsin','Wyoming') NOT NULL,
  PRIMARY KEY (`PERSON_id`,`type`,`street`,`city`,`zip`,`state`),
  CONSTRAINT `fk_ADDRESS_PERSON` FOREIGN KEY (`PERSON_id`)
REFERENCES `PERSON` (`id`) ON DELETE NO ACTION ON UPDATE NO
ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `ADDRESS`

```

--

```
LOCK TABLES `ADDRESS` WRITE;
/*!40000 ALTER TABLE `ADDRESS` DISABLE KEYS */;
/*!40000 ALTER TABLE `ADDRESS` ENABLE KEYS */;
UNLOCK TABLES;
```

--

-- Table structure for table `COACH`

--

```
DROP TABLE IF EXISTS `COACH`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `COACH` (
  `EMPLOYEE_id` int(11) NOT NULL,
  `team` varchar(45) NOT NULL,
  PRIMARY KEY (`EMPLOYEE_id`,`team`),
  KEY `fk_COACH_TEAM_idx` (`team`),
  CONSTRAINT `fk_COACH_EMPLOYEE` FOREIGN KEY
(`EMPLOYEE_id`) REFERENCES `EMPLOYEE` (`PERSON_id`) ON DELETE
NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_COACH_TEAM` FOREIGN KEY (`team`) REFERENCES
`TEAM` (`name`) ON DELETE NO ACTION ON UPDATE NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `COACH`

--

```
LOCK TABLES `COACH` WRITE;
/*!40000 ALTER TABLE `COACH` DISABLE KEYS */;
```

```
/*!40000 ALTER TABLE `COACH` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `EMPLOYEE`
--
```

```
DROP TABLE IF EXISTS `EMPLOYEE`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `EMPLOYEE` (
  `PERSON_id` int(11) NOT NULL,
  `salary` double NOT NULL DEFAULT '0',
  PRIMARY KEY (`PERSON_id`),
  CONSTRAINT `fk_EMPLOYEE_PERSON` FOREIGN KEY (`PERSON_id`)
REFERENCES `PERSON` (`id`) ON DELETE NO ACTION ON UPDATE NO
ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--
-- Dumping data for table `EMPLOYEE`
--
```

```
LOCK TABLES `EMPLOYEE` WRITE;
/*!40000 ALTER TABLE `EMPLOYEE` DISABLE KEYS */;
/*!40000 ALTER TABLE `EMPLOYEE` ENABLE KEYS */;
UNLOCK TABLES;
```

```
--
-- Table structure for table `FAN`
--
```

```

DROP TABLE IF EXISTS `FAN`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `FAN` (
  `PERSON_id` int(11) NOT NULL AUTO_INCREMENT,
  `favorite_player` int(11) DEFAULT NULL,
  `favorite_team` varchar(45) NOT NULL,
  PRIMARY KEY (`PERSON_id`),
  KEY `fk_FAN_PLAYER_idx` (`favorite_player`),
  KEY `fk_FAN_TEAM_idx` (`favorite_team`),
  CONSTRAINT `fk_FAN_PERSON` FOREIGN KEY (`PERSON_id`)
REFERENCES `PERSON` (`id`) ON DELETE NO ACTION ON UPDATE NO
ACTION,
  CONSTRAINT `fk_FAN_PLAYER` FOREIGN KEY (`favorite_player`)
REFERENCES `PLAYER` (`EMPLOYEE_id`) ON DELETE NO ACTION ON
UPDATE NO ACTION,
  CONSTRAINT `fk_FAN_TEAM` FOREIGN KEY (`favorite_team`)
REFERENCES `TEAM` (`name`) ON DELETE NO ACTION ON UPDATE
NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

--
-- Dumping data for table `FAN`
--

LOCK TABLES `FAN` WRITE;
/*!40000 ALTER TABLE `FAN` DISABLE KEYS */;
/*!40000 ALTER TABLE `FAN` ENABLE KEYS */;
UNLOCK TABLES;

--
-- Table structure for table `GAME`

```

--

```
DROP TABLE IF EXISTS `GAME`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `GAME` (
  `date_time` datetime NOT NULL,
  `home_team` varchar(45) NOT NULL,
  `home_team_score` int(11) NOT NULL DEFAULT '0',
  `visiting_team` varchar(45) NOT NULL,
  `visiting_team_score` int(11) NOT NULL DEFAULT '0',
  PRIMARY KEY (`date_time`,`home_team`,`visiting_team`),
  KEY `fk_VISITING_TEAM_idx` (`visiting_team`),
  KEY `fk_HOME_TEAM_idx` (`home_team`),
  CONSTRAINT `fk_HOME_TEAM` FOREIGN KEY (`home_team`)
REFERENCES `TEAM` (`name`) ON DELETE NO ACTION ON UPDATE
NO ACTION,
  CONSTRAINT `fk_VISITING_TEAM` FOREIGN KEY (`visiting_team`)
REFERENCES `TEAM` (`name`) ON DELETE NO ACTION ON UPDATE
NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;
```

--

-- Dumping data for table `GAME`

--

```
LOCK TABLES `GAME` WRITE;
/*!40000 ALTER TABLE `GAME` DISABLE KEYS */;
/*!40000 ALTER TABLE `GAME` ENABLE KEYS */;
UNLOCK TABLES;
```

--

-- Table structure for table `OFFICIAL`

--

DROP TABLE IF EXISTS `OFFICIAL`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `OFFICIAL` (

`EMPLOYEE_id` int(11) NOT NULL,

`type` set('Referee','Scorekeeper','Timekeeper') NOT NULL,

`GAME_date_time` datetime NOT NULL,

`GAME_home_team` varchar(45) NOT NULL,

`GAME_visiting_team` varchar(45) NOT NULL,

PRIMARY KEY

(`EMPLOYEE_id`,`GAME_date_time`,`GAME_home_team`,`GAME_visiting_team`),

KEY `fk_OFFICIAL_GAME_idx`

(`GAME_date_time`,`GAME_home_team`,`GAME_visiting_team`),

CONSTRAINT `fk_OFFICIAL_EMPLOYEE` FOREIGN KEY

(`EMPLOYEE_id`) REFERENCES `EMPLOYEE` (`PERSON_id`) ON DELETE NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `fk_OFFICIAL_GAME` FOREIGN KEY (`GAME_date_time`,`GAME_home_team`,`GAME_visiting_team`) REFERENCES `GAME` (`date_time`,`home_team`,`visiting_team`) ON DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/*!40101 SET character_set_client = @saved_cs_client */;

--

-- Dumping data for table `OFFICIAL`

--

LOCK TABLES `OFFICIAL` WRITE;

/*!40000 ALTER TABLE `OFFICIAL` DISABLE KEYS */;

```
/*!40000 ALTER TABLE `OFFICIAL` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `PERSON`  
--
```

```
DROP TABLE IF EXISTS `PERSON`;  
/*!40101 SET @saved_cs_client      = @@character_set_client */;  
/*!40101 SET character_set_client = utf8 */;  
CREATE TABLE `PERSON` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `first_name` varchar(45) NOT NULL,  
  `middle_initial` varchar(45) NOT NULL,  
  `last_name` varchar(45) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `PERSON`  
--
```

```
LOCK TABLES `PERSON` WRITE;  
/*!40000 ALTER TABLE `PERSON` DISABLE KEYS */;  
/*!40000 ALTER TABLE `PERSON` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Table structure for table `PLAYER`  
--
```

```
DROP TABLE IF EXISTS `PLAYER`;
```

```

/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!40101 SET character_set_client = utf8 */;
CREATE TABLE `PLAYER` (
  `EMPLOYEE_id` int(11) NOT NULL,
  `number` int(11) NOT NULL,
  `team` varchar(45) NOT NULL,
  `start_date` date NOT NULL,
  `end_date` date DEFAULT NULL,
  PRIMARY KEY (`EMPLOYEE_id`,`number`,`team`,`start_date`),
  KEY `fk_PLAYER_TEAM_idx` (`team`),
  CONSTRAINT `fk_PLAYER_EMPLOYEE` FOREIGN KEY
(`EMPLOYEE_id`) REFERENCES `EMPLOYEE` (`PERSON_id`) ON DELETE
NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk_PLAYER_TEAM` FOREIGN KEY (`team`)
REFERENCES `TEAM` (`name`) ON DELETE NO ACTION ON UPDATE
NO ACTION
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
/*!40101 SET character_set_client = @saved_cs_client */;

```

```

--
-- Dumping data for table `PLAYER`
--

```

```

LOCK TABLES `PLAYER` WRITE;
/*!40000 ALTER TABLE `PLAYER` DISABLE KEYS */;
/*!40000 ALTER TABLE `PLAYER` ENABLE KEYS */;
UNLOCK TABLES;
/*!50003 SET @saved_cs_client      = @@character_set_client */;
/*!50003 SET @saved_cs_results     = @@character_set_results */;
/*!50003 SET @saved_col_connection = @@collation_connection */;
/*!50003 SET character_set_client = utf8 */;
/*!50003 SET character_set_results = utf8 */;
/*!50003 SET collation_connection = utf8_general_ci */;

```

```

/*!50003 SET @saved_sql_mode      = @@sql_mode */ ;
/*!50003 SET sql_mode            =
'ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,
NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBS
TITUTION' */ ;
DELIMITER ;;
/*!50003 CREATE*/ /*!50017 DEFINER=`hal`@`localhost`*/ /*!50003 TRIGGER
`BB DB`.`PLAYER_BEFORE_INSERT` BEFORE INSERT ON `PLAYER` FOR
EACH ROW
BEGIN

```

```

DECLARE is_coach INT;
DECLARE is_official INT;
SELECT COUNT(1) INTO is_coach from COACH where
(NEW.EMPLOYEE_id = COACH.EMPLOYEE_id);
if is_coach=1 then
    SIGNAL SQLSTATE '45000'
        SET message_text = "Player exists in COACH table";
end if;
SELECT COUNT(1) INTO is_official from OFFICIAL where
(NEW.EMPLOYEE_id = OFFICIAL.EMPLOYEE_id);
if is_official=1 then
    SIGNAL SQLSTATE '45000'
        SET message_text = "Player exists in OFFICIAL table";
end if;
END */;;
DELIMITER ;

```

```

/*!50003 SET sql_mode            = @saved_sql_mode */ ;
/*!50003 SET character_set_client = @saved_cs_client */ ;
/*!50003 SET character_set_results = @saved_cs_results */ ;
/*!50003 SET collation_connection = @saved_col_connection */ ;

```

```
--
```

-- Table structure for table `PLAYER_STATS`

--

DROP TABLE IF EXISTS `PLAYER_STATS`;

/*!40101 SET @saved_cs_client = @@character_set_client */;

/*!40101 SET character_set_client = utf8 */;

CREATE TABLE `PLAYER_STATS` (

`PLAYER_id` int(11) NOT NULL,

`assists` int(11) NOT NULL DEFAULT '0',

`rebounds` int(11) NOT NULL DEFAULT '0',

`points` int(11) NOT NULL DEFAULT '0',

`fouls` int(11) NOT NULL DEFAULT '0',

`GAME_date_time` datetime NOT NULL,

`GAME_home_team` varchar(45) NOT NULL,

`GAME_visiting_team` varchar(45) NOT NULL,

PRIMARY KEY

(`PLAYER_id`,`GAME_date_time`,`GAME_home_team`,`GAME_visiting_team`
)

KEY `fk_PLAYER_STATS_GAME_idx`

(`GAME_date_time`,`GAME_home_team`,`GAME_visiting_team`),

CONSTRAINT `fk_PLAYER_PLAYER_STATS` FOREIGN KEY

(`PLAYER_id`) REFERENCES `PLAYER` (`EMPLOYEE_id`) ON DELETE
NO ACTION ON UPDATE NO ACTION,

CONSTRAINT `fk_PLAYER_STATS_GAME` FOREIGN KEY

(`GAME_date_time`,`GAME_home_team`,`GAME_visiting_team`)

REFERENCES `GAME` (`date_time`,`home_team`,`visiting_team`) ON
DELETE NO ACTION ON UPDATE NO ACTION

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

/*!40101 SET character_set_client = @saved_cs_client */;

--

-- Dumping data for table `PLAYER_STATS`

--

```
LOCK TABLES `PLAYER_STATS` WRITE;
```

```
/*!40000 ALTER TABLE `PLAYER_STATS` DISABLE KEYS */;
```

```
/*!40000 ALTER TABLE `PLAYER_STATS` ENABLE KEYS */;
```

```
UNLOCK TABLES;
```

```
--
```

```
-- Table structure for table `TEAM`
```

```
--
```

```
DROP TABLE IF EXISTS `TEAM`;
```

```
/*!40101 SET @saved_cs_client      = @@character_set_client */;
```

```
/*!40101 SET character_set_client = utf8 */;
```

```
CREATE TABLE `TEAM` (
```

```
  `name` varchar(45) NOT NULL,
```

```
  `PLAYER_captain_id` int(11) NOT NULL,
```

```
  `city` varchar(45) DEFAULT NULL,
```

```
  `color` varchar(45) NOT NULL,
```

```
  `state`
```

```
set('Alabama','Alaska','Arizona','Arkansa','California','Colorado','Deleware','Florid  
a','Georgia','Hawaii','Idaho','Illinois','Indiana','Iowa','Kansas','Kentucky','Louisiana',  
'Maine','Maryland','Massachusets','Michigan','Minnesota','Mississippi','Missouri',  
Montana','Nebraska','Nevada','New Hampshire','New Jersey','New Mexico','New  
York','North Carolina','North
```

```
Dakota','Ohio','Oklahoma','Oregon','Pennsylvania','Rhode Island','South  
Carolina','South
```

```
Dakota','Tennesse','Texas','Utah','Vermont','Virginia','Washington','West  
Virginia','Wisconsin','Wyoming') NOT NULL,
```

```
  PRIMARY KEY (`name`),
```

```
  UNIQUE KEY `name_UNIQUE` (`name`),
```

```
  KEY `fk_TEAM_CAPTAIN_idx` (`PLAYER_captain_id`),
```

```
CONSTRAINT `fk_TEAM_CAPTAIN` FOREIGN KEY  
(`PLAYER_captain_id`) REFERENCES `PLAYER` (`EMPLOYEE_id`) ON  
DELETE NO ACTION ON UPDATE NO ACTION  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;  
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
--  
-- Dumping data for table `TEAM`  
--
```

```
LOCK TABLES `TEAM` WRITE;  
/*!40000 ALTER TABLE `TEAM` DISABLE KEYS */;  
/*!40000 ALTER TABLE `TEAM` ENABLE KEYS */;  
UNLOCK TABLES;
```

```
--  
-- Temporary table structure for view `view_coaches`  
--
```

```
DROP TABLE IF EXISTS `view_coaches`;  
/*!50001 DROP VIEW IF EXISTS `view_coaches`*/;  
SET @saved_cs_client = @@character_set_client;  
SET character_set_client = utf8;  
/*!50001 CREATE VIEW `view_coaches` AS SELECT  
1 AS `id`,  
1 AS `first_name`,  
1 AS `MI`,  
1 AS `last_name`,  
1 AS `address_type`,  
1 AS `street`,  
1 AS `city`,  
1 AS `state`,  
1 AS `zip`,
```

```

1 AS `salary`,
1 AS `team`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary table structure for view `view_current_players_coaches`
--

DROP TABLE IF EXISTS `view_current_players_coaches`;
/*!50001 DROP VIEW IF EXISTS `view_current_players_coaches`*/;
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_current_players_coaches` AS SELECT
1 AS `id`,
1 AS `first_name`,
1 AS `MI`,
1 AS `last_name`,
1 AS `address_type`,
1 AS `street`,
1 AS `city`,
1 AS `state`,
1 AS `zip`,
1 AS `salary`,
1 AS `team`,
1 AS `position`*/;
SET character_set_client = @saved_cs_client;

--
-- Temporary table structure for view `view_player`
--

DROP TABLE IF EXISTS `view_player`;
/*!50001 DROP VIEW IF EXISTS `view_player`*/;

```



```
SET @saved_cs_client = @@character_set_client;
SET character_set_client = utf8;
/*!50001 CREATE VIEW `view_player` AS SELECT
  1 AS `id`,
  1 AS `first_name`,
  1 AS `MI`,
  1 AS `last_name`,
  1 AS `salary`,
  1 AS `team`,
  1 AS `number`,
  1 AS `start_date`,
  1 AS `end_date`*/;
SET character_set_client = @saved_cs_client;
```

```
--
-- Current Database: `BB DB`
--
```

```
USE `BB DB`;
```

```
--
-- Final view structure for view `view_coaches`
--
```

```
/*!50001 DROP VIEW IF EXISTS `view_coaches`*/;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection  = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`hal`@`localhost` SQL SECURITY DEFINER */
```

```

/*!50001 VIEW `view_coaches` AS select `COACH`.`EMPLOYEE_id` AS
`id`,`PERSON`.`first_name` AS `first_name`,`PERSON`.`middle_initial` AS
`MI`,`PERSON`.`last_name` AS `last_name`,`ADDRESS`.`type` AS
`address_type`,`ADDRESS`.`street` AS `street`,`ADDRESS`.`city` AS
`city`,`ADDRESS`.`state` AS `state`,`ADDRESS`.`zip` AS
`zip`,`EMPLOYEE`.`salary` AS `salary`,`COACH`.`team` AS `team` from
((( `COACH` join `EMPLOYEE` on((`COACH`.`EMPLOYEE_id` =
`EMPLOYEE`.`PERSON_id`))) join `PERSON` on((`COACH`.`EMPLOYEE_id`
= `PERSON`.`id`))) join `ADDRESS` on((`COACH`.`EMPLOYEE_id` =
`ADDRESS`.`PERSON_id`))) */;
/*!50001 SET character_set_client    = @saved_cs_client */;
/*!50001 SET character_set_results  = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;

```

```

--
-- Final view structure for view `view_current_players_coaches`
--

```

```

/*!50001 DROP VIEW IF EXISTS `view_current_players_coaches` */;
/*!50001 SET @saved_cs_client      = @@character_set_client */;
/*!50001 SET @saved_cs_results    = @@character_set_results */;
/*!50001 SET @saved_col_connection = @@collation_connection */;
/*!50001 SET character_set_client  = utf8 */;
/*!50001 SET character_set_results = utf8 */;
/*!50001 SET collation_connection  = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`hal`@`localhost` SQL SECURITY DEFINER */
/*!50001 VIEW `view_current_players_coaches` AS select
`PLAYER`.`EMPLOYEE_id` AS `id`,`PERSON`.`first_name` AS
`first_name`,`PERSON`.`middle_initial` AS `MI`,`PERSON`.`last_name` AS
`last_name`,`ADDRESS`.`type` AS `address_type`,`ADDRESS`.`street` AS
`street`,`ADDRESS`.`city` AS `city`,`ADDRESS`.`state` AS
`state`,`ADDRESS`.`zip` AS `zip`,`EMPLOYEE`.`salary` AS

```

```

`salary`,`PLAYER`.`team` AS `team`,`Player' AS `position` from (((`PLAYER`
join `EMPLOYEE` on((`PLAYER`.`EMPLOYEE_id` =
`EMPLOYEE`.`PERSON_id`))) join `PERSON`
on((`PLAYER`.`EMPLOYEE_id` = `PERSON`.`id`))) join `ADDRESS`
on((`PLAYER`.`EMPLOYEE_id` = `ADDRESS`.`PERSON_id`))) where
isnull(`PLAYER`.`end_date`) union select `COACH`.`EMPLOYEE_id` AS
`id`,`PERSON`.`first_name` AS `first_name`,`PERSON`.`middle_initial` AS
`MI`,`PERSON`.`last_name` AS `last_name`,`ADDRESS`.`type` AS
`address_type`,`ADDRESS`.`street` AS `street`,`ADDRESS`.`city` AS
`city`,`ADDRESS`.`state` AS `state`,`ADDRESS`.`zip` AS
`zip`,`EMPLOYEE`.`salary` AS `salary`,`COACH`.`team` AS `team`,`Coach' AS
`position` from (((`COACH` join `EMPLOYEE`
on((`COACH`.`EMPLOYEE_id` = `EMPLOYEE`.`PERSON_id`))) join
`PERSON` on((`COACH`.`EMPLOYEE_id` = `PERSON`.`id`))) join
`ADDRESS` on((`COACH`.`EMPLOYEE_id` = `ADDRESS`.`PERSON_id`))) */;
/*!50001 SET character_set_client    = @saved_cs_client */;
/*!50001 SET character_set_results   = @saved_cs_results */;
/*!50001 SET collation_connection    = @saved_col_connection */;

--
-- Final view structure for view `view_player`
--

/*!50001 DROP VIEW IF EXISTS `view_player`*/;
/*!50001 SET @saved_cs_client        = @@character_set_client */;
/*!50001 SET @saved_cs_results       = @@character_set_results */;
/*!50001 SET @saved_col_connection   = @@collation_connection */;
/*!50001 SET character_set_client     = utf8 */;
/*!50001 SET character_set_results    = utf8 */;
/*!50001 SET collation_connection     = utf8_general_ci */;
/*!50001 CREATE ALGORITHM=UNDEFINED */
/*!50013 DEFINER=`hal`@`localhost` SQL SECURITY DEFINER */

```

```

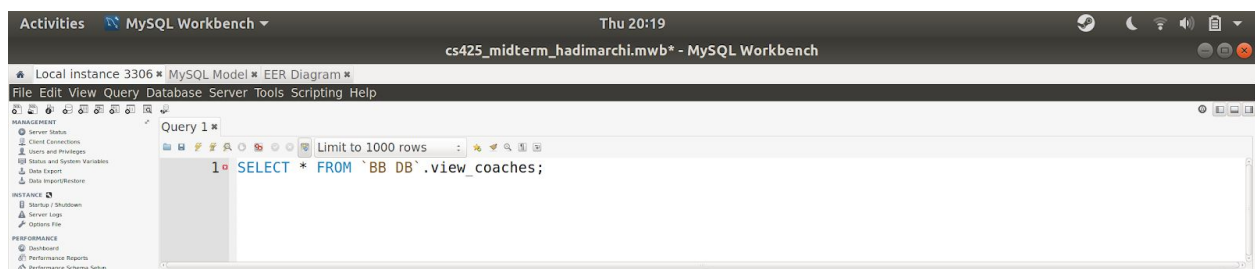
/*!50001 VIEW `view_player` AS select `PLAYER`.`EMPLOYEE_id` AS
`id`,`PERSON`.`first_name` AS `first_name`,`PERSON`.`middle_initial` AS
`MI`,`PERSON`.`last_name` AS `last_name`,`EMPLOYEE`.`salary` AS
`sally`,`PLAYER`.`team` AS `team`,`PLAYER`.`number` AS
`number`,`PLAYER`.`start_date` AS `start_date`,`PLAYER`.`end_date` AS
`end_date` from ((`PLAYER` join `EMPLOYEE`
on((`PLAYER`.`EMPLOYEE_id` = `EMPLOYEE`.`PERSON_id`))) join
`PERSON` on((`PLAYER`.`EMPLOYEE_id` = `PERSON`.`id`))) */;
/*!50001 SET character_set_client    = @saved_cs_client */;
/*!50001 SET character_set_results  = @saved_cs_results */;
/*!50001 SET collation_connection  = @saved_col_connection */;
/*!40103 SET TIME_ZONE=@OLD_TIME_ZONE */;

/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS
*/;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40101 SET
CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET
COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */;

```

-- Dump completed on 2018-10-26 20:28:19

VIEWS:



Activities MySQL Workbench Thu 20:18
cs425_midterm_hadimarchi.mwb* - MySQL Workbench

Local instance 3306 * MySQL Model * EER Diagram *

File Edit View Query Database Server Tools Scripting Help

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Object Info Session
Table: ADDRESS
Columns:

Query 1 *
Limit to 1000 rows
1 SELECT * FROM `BB DB`.view_player;

Result Grid
Filter Rows: Q
Export: Wrap Cell Content: S

#	id	first_name	MI	last_name	salary	team	number	start_date	end_date
1	11	Kaly	NULL	Player	24244278.89	HayStackers	63	2016-03-04	2018-05-12
2	12	Skally	G	Player	22740801.31	Cow Patties	6	2016-03-05	
3	13	Brando	H	Player	4661381.14	Bovines	82	2016-03-06	
4	14	Kubla	NULL	Player	4271750.78	Heifers	85	2016-03-07	
5	15	Europa	I	Player	38441952.7	HayStackers	93	2016-03-08	
6	16	Marny	J	Player	37848017.86	Cow Patties	55	2016-03-09	
7	17	Cranky	K	Player	27284149.02	Bovines	86	2016-03-10	

PLAYER 13 * view_player 36 *

Action Output
Time Action Message Duration / F
34 19... SELECT * FROM `BB DB`.view_current_players_coach... 1000 row(s) returned 2.933 sec...

/home/hal/Documents/college/fall_2018/Database_Systems/midterm/cs425_midterm_hadimarchi.mwb saved.

Activities MySQL Workbench Thu 20:22
cs425_midterm_hadimarchi.mwb* - MySQL Workbench

Local instance 3306 * MySQL Model * EER Diagram *

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Object Info Session
Table: ADDRESS
Columns:

Query 1 *
Limit to 1000 rows
1 SELECT * FROM `BB DB`.view_current_players_coaches
2 where address_type = 'Physical' and team = 'Cow Patties';

Result Grid
Filter Rows: Q
Export: Wrap Cell Content: S

#	id	first_name	MI	last_name	address_type	street	city	state	zip	salary	team	position
1	7	Scrappy	D	Coach	Physical	9 Srout Row East	Bryce	Utah	99781	31393157.77	Cow Patties	Coach
2	16	Marny	J	Player	Physical	384 West Goul...	Cleveland	Ohio	99790	37848017.86	Cow Patties	Player
3	12	Skally	G	Player	Physical	90 North Fall Br...	Madison	Wisconsin	99786	22740801.31	Cow Patties	Player

PLAYER 13 * view_current_players_coaches 39 *

Action Output
Time Action Message Duration / F
48 20... SELECT * FROM `BB DB`.view_current_players_coach... 3 row(s) returned 0.00000

Query Completed

QUERIES:

Activities MySQL Workbench Thu 21:43 cs425_midterm_hadimarchi.mwb* - MySQL Workbench

Local instance 3306 * MySQL Model * EER Diagram *

File Edit View Query Database Server Tools Scripting Help

teamscoachescaptainsohmy * player_and_game_info *

Limit to 1000 rows

```
1 SELECT name as team,
2 (select CONCAT(PERSON.first_name, ' ', PERSON.middle_initial, ' ', PERSON.last_name) from PERSON where PERS
3 (select distinct CONCAT(PERSON.first_name, ' ', PERSON.middle_initial, ' ', PERSON.last_name) FROM PERSON w
4 TEAM.city as team_city,
5 TEAM.state as team_state,
6 TEAM.color as team_color,
7 (select COUNT(*) from FAN where FAN.favorite_team = TEAM.name) as Fans
8 FROM TEAM inner join COACH on COACH.team = TEAM.name;
9
```

Result Grid Filter Rows: Export: Wrap Cell Content:

#	team	coach	captain	team_city	team_state	team_color	Fans
1	Bovines	Brando H Player	Sloppy C Coach	Somewhere	Ohio	silver	2
2	Cow Patties	Skally G Player	Scrappy D Coach	Nowhere	North Dakota	gold	0
3	HayStackers	Kaly NULL Player	Noobs NULL Co...	Fairbanks	Alaska	blue	2
4	Heifers	Kubla NULL Pla...	Bart NULL Coach	Nunya	Iowa	black	2

PLAYER 13 * Result 50 * Read Only

Object Info Session Table: GAME Action Output

Formatted 1 statements.

Activities MySQL Workbench Thu 21:47 cs425_midterm_hadimarchi.mwb* - MySQL Workbench

Local instance 3306 * MySQL Model * EER Diagram *

File Edit View Query Database Server Tools Scripting Help

teamscoachescaptainsohmy * player_and_game_info *

Limit to 1000 rows

```
1. SELECT PLAYER.EMPLOYEE_id as id,
2      (select CONCAT(PERSON.first_name, ' ',
3                    IF(PERSON.middle_initial=NULL, '', PERSON.middle_initial),
4                    ' ', PERSON.last_name)
5      from PERSON where PERSON.id = PLAYER.EMPLOYEE_id) as name,
6      PLAYER.team,
7      IF(Team.PLAYER_captain_id = PLAYER.EMPLOYEE_id, 'Y', 'N') as captain,
8      PLAYER_STATS.assists as assists,
9      PLAYER_STATS.rebounds as rebounds,
10     PLAYER_STATS.points as points,
11     PLAYER_STATS.fouls as fouls,
12     PLAYER_STATS.GAME_date_time as Game_date_time,
13     PLAYER_STATS.GAME_home_team as Game_home_team,
14     GAME.home_team_score as home_score,
15     PLAYER_STATS.GAME_visiting_team as visiting_team,
16     GAME.visiting_team_score as visiting_score
17 FROM PLAYER_STATS
18 inner join PLAYER on PLAYER_STATS.PLAYER_id = PLAYER.EMPLOYEE_id
19 inner join TEAM on PLAYER.team = TEAM.name
20 inner join GAME on
21     PLAYER_STATS.GAME_date_time = GAME.date_time
22     and PLAYER_STATS.GAME_home_team = GAME.home_team
23     and PLAYER_STATS.GAME_visiting_team = GAME.visiting_team;
```

Object Info Session Result Grid Filter Rows: Export: Wrap Cell Content: Read Only

Table: GAME

Action Output

Formatted 1 statements.

Activities MySQL Workbench Thu 21:48 cs425_midterm_hadimarchi.mwb* - MySQL Workbench

Local instance 3306 * MySQL Model * EER Diagram *

File Edit View Query Database Server Tools Scripting Help

teamscoachescaptainsohmy * player_and_game_info *

Result Grid Filter Rows: Export: Wrap Cell Content:

#	id	name	team	captain	assists	rebounds	points	fouls	Game_date_time	Game_home_team	home_score	visiting_team	visiting_score
1	11	Kaly Player	HayStackers	Y	1	2	3	0	2018-01-02 22:0...	HayStackers	10	Bovines	16
2	15	Europa I Player	HayStackers	N	5	6	7	4	2018-01-06 22:0...	HayStackers	14	Cow Patties	3
3	12	Skally G Player	Cow Patties	Y	2	3	4	1	2018-01-03 12:0...	Heifers	11	Cow Patties	0
4	16	Marry J Player	Cow Patties	N	6	7	8	5	2018-01-07 12:0...	Heifers	15	Cow Patties	21
5	13	Brando H Player	Bovines	Y	3	4	5	2	2018-01-04 22:0...	Bovines	12	Heifers	76
6	17	Cranky K Player	Bovines	N	7	8	9	6	2018-01-08 22:0...	Cow Patties	16	Bovines	13
7	14	Kubla Player	Heifers	Y	4	5	6	3	2018-01-05 12:0...	Bovines	13	Heifers	19

Result 6 * Read Only

Object Info Session Action Output

Table: GAME

Formatted 1 statements.

TRIGGERS:

