DBMS MINI PROJECT

.SQL FILE

FOOTBALL TEAM MANAGEMENT SYSTEM

Name: Rohit Sulake

SRN: PES1UG20CS356

Vth Semester F

.SQL:

-- phpMyAdmin SQL Dump

-- version 5.1.1

-- https://www.phpmyadmin.net/

--

-- Host: 127.0.0.1

-- Generation Time: Dec 05, 2022 at 04:39 PM

-- Server version: 10.4.21-MariaDB

-- PHP Version: 8.0.10

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!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 utf8mb4 \*/;

--

-- Database: `football\_team\_management`

--

DELIMITER $$

--

-- Procedures

--

CREATE DEFINER=`root`@`localhost` PROCEDURE `backup` (`player\_id` INT(11)) BEGIN

DECLARE done INT default 0;

declare player\_id int;

declare name varchar(30);

declare club\_id int;

declare age int;

declare position char(5);

declare nationality varchar(20);

declare salary\_per\_week int;

declare jersey\_no int;

declare managed\_by\_id int;

declare contract\_end int;

DECLARE cur CURSOR FOR SELECT

player\_id,name,club\_id,age,position,nationality,salary\_per\_week,jersey\_no,managed\_by\_id,contract\_end

FROM player WHERE player\_id1=player\_id;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done=1;

OPEN cur;

FETCH cur INTO player\_id,name,club\_id,age,position,nationality,salary\_per\_week,jersey\_no,managed\_by\_id,contract\_end;

INSERT INTO backup VALUES (player\_id,name,club\_id,age,position,nationality,salary\_per\_week,jersey\_no,managed\_by\_id,contract\_end);

CLOSE cur;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `backup1` (`player\_id` INT(11)) BEGIN

DECLARE done INT default 0;

declare player\_id int;

declare name varchar(30);

declare club\_id int;

declare age int;

declare position char(5);

declare nationality varchar(20);

declare salary\_per\_week int;

declare jersey\_no int;

declare managed\_by\_id int;

declare contract\_end int;

DECLARE cur CURSOR FOR SELECT

player\_id,name,club\_id,age,position,nationality,salary\_per\_week,jersey\_no,managed\_by\_id,contract\_end

FROM player WHERE player.player\_id=player\_id;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done=1;

OPEN cur;

FETCH cur INTO player\_id,name,club\_id,age,position,nationality,salary\_per\_week,jersey\_no,managed\_by\_id,contract\_end;

INSERT INTO backup VALUES (player\_id,name,club\_id,age,position,nationality,salary\_per\_week,jersey\_no,managed\_by\_id,contract\_end);

CLOSE cur;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `contract\_years\_left` (IN `year1` INT, IN `playerid` INT, OUT `years\_left` INT) BEGIN

DECLARE p int;

SELECT contract\_end INTO p FROM player where player\_id=playerid;

SET years\_left=p-year1;

SELECT @years\_left;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `contract\_years\_left\_final` (IN `year1` INT, IN `playerid` INT, OUT `years\_left` INT) BEGIN

DECLARE p int;

SELECT contract\_end INTO p FROM player where player\_id=playerid;

SET years\_left=p-@year1;

SELECT @years\_left;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `contract\_years\_left\_test` (IN `year1` INT, IN `playerid` INT, OUT `years\_left` INT) BEGIN

DECLARE p int;

SELECT contract\_end INTO p FROM player where player\_id=playerid;

SET years\_left=DIFF(p,year1);

SELECT @years\_left;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `contract\_years\_left\_test1` (IN `year1` INT, IN `playerid` INT, OUT `years\_left` INT) BEGIN

DECLARE p int;

SELECT contract\_end INTO p FROM player where player\_id=playerid;

SET years\_left=DIFF(p,@year1);

SELECT @years\_left;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `contract\_years\_left\_test2` (IN `year1` INT, IN `playerid` INT, OUT `years\_left` INT) BEGIN

DECLARE p int;

SELECT contract\_end INTO p FROM player where player\_id=playerid;

SET years\_left=p-@year1;

SELECT @years\_left;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `final\_contract\_years\_left` (IN `year1` INT, IN `playerid` INT, OUT `years\_left` INT) BEGIN

DECLARE p int;

SELECT contract\_end INTO p FROM player where player\_id=playerid;

SET years\_left=p-@year1;

SELECT @years\_left;

END$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `salary\_change` (IN `club\_id1` INT, IN `old\_ranking` INT, IN `new\_ranking` INT) begin

declare r int;

declare finish int default 0;

declare cur cursor for select salary from player where club\_id1=club\_id;

declare continue handler for not found set finish=1;

open cur;

a:loop

fetch cur into r;

if finish!=1 then

if old\_ranking>new\_ranking then

update player set salary=r\*1.1;

elseif old\_ranking<new\_ranking then

update player set salary=r div 1.1;

end if;

end if;

if finish=1 then

leave a;

end if;

end loop a;

end$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `salary\_change1` (IN `club\_id1` INT, IN `old\_ranking` INT, IN `new\_ranking` INT) begin

declare r int;

declare finish int default 0;

declare cur cursor for select salary\_per\_week from player where club\_id1=club\_id;

declare continue handler for not found set finish=1;

open cur;

a:loop

fetch cur into r;

if finish!=1 then

if old\_ranking>new\_ranking then

update player set salary\_per\_week=r\*1.1;

elseif old\_ranking<new\_ranking then

update player set salary\_per\_week=r div 1.1;

end if;

end if;

if finish=1 then

leave a;

end if;

end loop a;

end$$

CREATE DEFINER=`root`@`localhost` PROCEDURE `salary\_change2` (IN `club\_id1` INT, IN `old\_ranking` INT, IN `new\_ranking` INT) begin

declare r int;

declare finish int default 0;

declare cur cursor for select salary\_per\_week from player where club\_id1=club\_id;

declare continue handler for not found set finish=1;

open cur;

a:loop

fetch cur into r;

if finish!=1 then

if old\_ranking>new\_ranking then

update player set salary\_per\_week=r\*1.1 where club\_id1=club\_id;

elseif old\_ranking<new\_ranking then

update player set salary\_per\_week=r div 1.1 where club\_id1=club\_id;

end if;

end if;

if finish=1 then

leave a;

end if;

end loop a;

end$$

--

-- Functions

--

CREATE DEFINER=`root`@`localhost` FUNCTION `contract\_end\_year` (`contract\_end` INT) RETURNS INT(11) BEGIN

DECLARE contract\_end int;

SET contract\_end=RAND()\*(2028-2022)+2022;

RETURN contract\_end;

END$$

CREATE DEFINER=`root`@`localhost` FUNCTION `contract\_end\_year\_final` (`player\_id` INT) RETURNS INT(11) BEGIN

DECLARE contract\_end int;

SET contract\_end=RAND()\*(2028-2022)+2022;

RETURN contract\_end;

END$$

DELIMITER ;

-- --------------------------------------------------------

--

-- Table structure for table `club`

--

CREATE TABLE `club` (

`club\_id` int(11) NOT NULL,

`name` varchar(30) DEFAULT NULL,

`shortform` char(5) DEFAULT NULL,

`league` varchar(15) DEFAULT NULL,

`ranking` int(11) DEFAULT NULL,

`value` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--

-- Dumping data for table `club`

--

INSERT INTO `club` (`club\_id`, `name`, `shortform`, `league`, `ranking`, `value`) VALUES

(1, 'Real Madrid FC', 'RMA', 'La Liga', 1, 10000000),

(2, 'FC Barcelona', 'BAR', 'La Liga', 2, 10000000),

(3, 'Chelsea', 'CHL', 'Premier League', 4, 900000),

(4, 'Manchester United', 'MUN', 'Premier League', 3, 7200000),

(5, 'Arsenal', 'ARS', 'Premier League', 7, 900000),

(6, 'Bayern Munich', 'BAY', 'Bundesliga', 5, 9000000),

(7, 'Paris Saint Germain', 'PSG', 'Ligue 1', 6, 7000000);

-- --------------------------------------------------------

--

-- Table structure for table `manager`

--

CREATE TABLE `manager` (

`manager\_id` int(11) NOT NULL,

`name` varchar(30) DEFAULT NULL,

`club\_id` int(11) DEFAULT NULL,

`nationality` varchar(20) DEFAULT NULL,

`age` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--

-- Dumping data for table `manager`

--

INSERT INTO `manager` (`manager\_id`, `name`, `club\_id`, `nationality`, `age`) VALUES

(100, 'Carlo Ancelotti', 1, 'Italy', 63),

(101, 'Pep Guardiola', 2, 'Spain', 51),

(102, 'Jose Mourinho', 3, 'Portugal', 59),

(103, 'Alex Ferguson', 4, 'Scotland', 70),

(104, 'Arsene Wenger', 5, 'France', 62),

(110, 'Jurgen Klopp', 6, 'Germany', 57);

-- --------------------------------------------------------

--

-- Table structure for table `player`

--

CREATE TABLE `player` (

`player\_id` int(11) NOT NULL,

`name` varchar(30) DEFAULT NULL,

`club\_id` int(11) DEFAULT NULL,

`age` int(11) DEFAULT NULL,

`position` char(5) DEFAULT NULL,

`nationality` varchar(20) DEFAULT NULL,

`salary\_per\_week` int(11) DEFAULT NULL,

`jersey\_no` int(11) DEFAULT NULL,

`managed\_by\_id` int(11) DEFAULT NULL,

`contract\_end` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--

-- Dumping data for table `player`

--

INSERT INTO `player` (`player\_id`, `name`, `club\_id`, `age`, `position`, `nationality`, `salary\_per\_week`, `jersey\_no`, `managed\_by\_id`, `contract\_end`) VALUES

(1, 'Luka Modric', 1, 36, 'CMF', 'Croatia', 33000, 10, 100, 2022),

(2, 'Xavi', 2, 39, 'CMF', 'Spain', 33000, 10, 101, 2023),

(3, 'Neymar Jr', 2, 32, 'LWF', 'Brazil', 33000, 11, 101, 2024),

(4, 'Kevin De Bruyne', 3, 32, 'AMF', 'Belgium', 43923, 14, 101, 2024),

(5, 'Karim Benzema', 1, 34, 'CF', 'France', 33000, 9, 100, 2024),

(6, 'Toni Kroos', 3, 28, 'CMF', 'Germany', 43923, 8, 100, 2022),

(7, 'Cristiano Ronaldo', 1, 37, 'LWF', 'Portugal', 33000, 7, 100, 2023),

(8, 'Kaka', 1, 38, 'AMF', 'Brazil', 33000, 8, 100, 2024),

(9, 'Sergio Busquets', 2, 36, 'DMF', 'Spain', 33000, 9, 101, 2024),

(10, 'Lionel Messi', 2, 34, 'RWF', 'Argentina', 33000, 10, 101, 2022),

(11, 'Andres Iniesta', 2, 39, 'CMF', 'Spain', 33000, 11, 101, 2024),

(12, 'Sergio Ramos', 1, 34, 'CB', 'Spain', 33000, 4, 100, 2027),

(13, 'Eden Hazard', 3, 31, 'LWF', 'Belgium', 43923, 10, 102, 2024),

(14, 'Fernando Torres', 3, 39, 'CF', 'Spain', 43923, 9, 102, 2028),

(15, 'Didier Drogba', 3, 39, 'CF', 'Ivory Coast', 43923, 9, 102, 2028);

--

-- Triggers `player`

--

DELIMITER $$

CREATE TRIGGER `NO\_TRANSFER` BEFORE UPDATE ON `player` FOR EACH ROW BEGIN

IF NEW.club\_id!=OLD.club\_id and OLD.contract\_end>2022 THEN

SIGNAL SQLSTATE VALUE '45000' SET MESSAGE\_TEXT="CONTRACT NOT YET TERMINATED!";

END IF

;

END

$$

DELIMITER ;

DELIMITER $$

CREATE TRIGGER `delete\_player` BEFORE DELETE ON `player` FOR EACH ROW BEGIN

CALL backup(OLD.player\_id);

END

$$

DELIMITER ;

-- --------------------------------------------------------

--

-- Table structure for table `sponsors`

--

CREATE TABLE `sponsors` (

`sponsor\_id` int(11) NOT NULL,

`club\_id` int(11) DEFAULT NULL,

`amount\_per\_annum` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--

-- Dumping data for table `sponsors`

--

INSERT INTO `sponsors` (`sponsor\_id`, `club\_id`, `amount\_per\_annum`) VALUES

(1001, 1, 200000),

(1002, 2, 200000),

(1003, 3, 150000),

(1004, 7, 1000000),

(1006, NULL, NULL);

-- --------------------------------------------------------

--

-- Table structure for table `stadium`

--

CREATE TABLE `stadium` (

`stadium\_id` int(11) NOT NULL,

`name` varchar(30) DEFAULT NULL,

`club\_id` int(11) DEFAULT NULL,

`city` varchar(20) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--

-- Dumping data for table `stadium`

--

INSERT INTO `stadium` (`stadium\_id`, `name`, `club\_id`, `city`) VALUES

(200, 'Santiago Bernabeau', 1, 'Madrid'),

(201, 'Camp Nou', 2, 'Barcelona'),

(202, 'Stamford Bridge', 3, 'London'),

(203, 'Allianz Arena', 6, 'Munich'),

(204, 'Old Trafford', 4, 'Manchester');

-- --------------------------------------------------------

--

-- Table structure for table `staff`

--

CREATE TABLE `staff` (

`club\_id` int(11) DEFAULT NULL,

`medic\_name` varchar(30) DEFAULT NULL,

`trainer\_name` varchar(30) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--

-- Dumping data for table `staff`

--

INSERT INTO `staff` (`club\_id`, `medic\_name`, `trainer\_name`) VALUES

(1, 'Javier Mallo', 'Francesco Mauri'),

(2, 'Toni Tramullas', 'Andres Martin'),

(4, 'Robin Sadler', 'Eric Ramsey'),

(NULL, 'Luca Stefanini', NULL),

(5, NULL, 'Maurizio Trombetta');

--

-- Indexes for dumped tables

--

--

-- Indexes for table `club`

--

ALTER TABLE `club`

ADD PRIMARY KEY (`club\_id`);

--

-- Indexes for table `manager`

--

ALTER TABLE `manager`

ADD PRIMARY KEY (`manager\_id`),

ADD KEY `club\_id` (`club\_id`);

--

-- Indexes for table `player`

--

ALTER TABLE `player`

ADD PRIMARY KEY (`player\_id`),

ADD KEY `club\_id` (`club\_id`),

ADD KEY `managed\_by\_id` (`managed\_by\_id`);

--

-- Indexes for table `sponsors`

--

ALTER TABLE `sponsors`

ADD PRIMARY KEY (`sponsor\_id`),

ADD KEY `club\_id` (`club\_id`);

--

-- Indexes for table `stadium`

--

ALTER TABLE `stadium`

ADD PRIMARY KEY (`stadium\_id`),

ADD KEY `club\_id` (`club\_id`);

--

-- Indexes for table `staff`

--

ALTER TABLE `staff`

ADD KEY `club\_id` (`club\_id`);

--

-- Constraints for dumped tables

--

--

-- Constraints for table `manager`

--

ALTER TABLE `manager`

ADD CONSTRAINT `manager\_ibfk\_1` FOREIGN KEY (`club\_id`) REFERENCES `club` (`club\_id`);

--

-- Constraints for table `player`

--

ALTER TABLE `player`

ADD CONSTRAINT `player\_ibfk\_1` FOREIGN KEY (`club\_id`) REFERENCES `club` (`club\_id`),

ADD CONSTRAINT `player\_ibfk\_2` FOREIGN KEY (`managed\_by\_id`) REFERENCES `manager` (`manager\_id`);

--

-- Constraints for table `sponsors`

--

ALTER TABLE `sponsors`

ADD CONSTRAINT `sponsors\_ibfk\_1` FOREIGN KEY (`club\_id`) REFERENCES `club` (`club\_id`);

--

-- Constraints for table `stadium`

--

ALTER TABLE `stadium`

ADD CONSTRAINT `stadium\_ibfk\_1` FOREIGN KEY (`club\_id`) REFERENCES `club` (`club\_id`);

--

-- Constraints for table `staff`

--

ALTER TABLE `staff`

ADD CONSTRAINT `staff\_ibfk\_1` FOREIGN KEY (`club\_id`) REFERENCES `club` (`club\_id`);

COMMIT;

/\*!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 \*/;