

Table 1 - GlobalLeaderboard

Username	Distance	Bananas	HighScore
ashna	300000	1000	301000
cory	205000	3200	208200
ksotebeer	200400	3000	203400
lymajor	120000	2500	122500
rbllass	95000	1500	96500

Table 2 - LocalLeaderboard

Username	Timestamp	Distance	Bananas	Score
ashna	2016-10-24 09:54:25	30000	1000	301000
ashna	2016-10-26 14:45:33	25056	600	25656
ashna	2016-10-19 09:30:21	23456	345	23801
ashna	2016-10-25 22:08:01	12345	200	12454
ashna	2016-10-24 13:24:24	12300	100	12400

Table 3 - GlobalTotals

Username	TotalDistance	TotalBananas	HighScore
ashna	80438854	83460	301000
cory	70085255	70050	208200
ksotebeer	65253233	62022	203400
lymajor	50202523	61002	122500
rbllass	42321523	50122	96500

SQL script to make our tables

```
CREATE TABLE IF NOT EXISTS 'GlobalLeaderboard' (  
  'Username' varchar(20) NOT NULL,  
  'Distance' int(1) NOT NULL,  
  'Bananas Collected' int(1) NOT NULL,  
  'High Score' int(1) NOT NULL,  
  PRIMARY KEY ('Username')  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO_INCREMENT=6 ;  
INSERT INTO 'GlobalLeaderboard' ('Username', 'Distance', 'Bananas Collected', 'High Score')  
VALUES  
( 'ashna', 300000, 1000, 301000),  
( 'cory', 305000, 3200, 208200),  
( 'ksotebeer', 200400, 3000, 203400),  
( 'lymajor', 2051, 500, 2551),  
( 'rblass', 2000, 100, 2100);
```

```
CREATE TABLE IF NOT EXISTS 'LocalLeaderboard' (  
  'Username' varchar(20) NOT NULL auto_increment,  
  'Timestamp' date NOT NULL,  
  'Distance' int(1) NOT NULL,  
  'Bananas' int(1) NOT NULL,  
  'Score' int(1) NOT NULL,  
  PRIMARY KEY ('Timestamp')  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO_INCREMENT=6 ;  
INSERT INTO 'LocalLeaderboard' ('Username', 'Timestamp', 'Distance', 'Bananas', 'Score')  
VALUES  
( 'ashna', '2016-10-24 09:54:25', 300000, 1000, 301000),  
( 'ashna', '2016-10-26 14:45:33', 25056, 600, 25656),  
( 'ashna', '2016-10-19 09:30:21', 23456, 345, 23801),  
( 'ashna', '2016-10-25 22:08:01', 12345, 200, 12545),  
( 'ashna', '2016-10-24 13:24:24', 12300, 100, 12400);
```

```
CREATE TABLE IF NOT EXISTS 'GlobalTotals' (  
  'Username' varchar(20) NOT NULL,  
  'Total Bananas' int(1) NOT NULL,  
  'Total Distance' int(1) NOT NULL,  
  'High Score' int(1) NOT NULL,  
  PRIMARY KEY ('Username')  
) ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO_INCREMENT=6 ;  
INSERT INTO 'GlobalTotals' ('Username', 'TotalBananas', 'TotalDistance', 'HighScore')
```

VALUES

('ashna', 80438854, 83460, 301000),
('ksotebeer', 70085255, 70050, 208200),
('rbllass', 65253233, 62022, 203400),
('lymajor', 50202523, 61002, 122500),
('cory', 42321523, 50122, 96500);

Leaderboard Database Design

The leaderboard database designed to be implemented in the Legend of Harambe side-scrolling IOS game utilizes three different tables to keep track of the top 5 global high scores out of all users, the top 5 personal high scores for each user, and the top 5 global summed totals. These three tables are related by each user's unique username. The primary key in table's 1 and 3 are the username, as each user is only able to have one high scoring run. The primary key in table 2 is the timestamp, as the username will most likely be the same for each run, but it is impossible for a single user to play multiple runs at the same time.