

```
CREATE DATABASE `tfscoin` /*!40100 DEFAULT CHARACTER SET utf8mb4 COLLATE  
utf8mb4_0900_ai_ci */ /*!80016 DEFAULT ENCRYPTION='N' */;
```

```
CREATE TABLE `employee` (  
  `ee_ID` int NOT NULL AUTO_INCREMENT,  
  `username` varchar(45) NOT NULL,  
  `password` varchar(70) NOT NULL,  
  `is_admin` int DEFAULT '0',  
  `wallet_address` varchar(70) NOT NULL,  
  `checkin_counter` int DEFAULT '0',  
  `checkin_date` date DEFAULT NULL,  
  PRIMARY KEY (`ee_ID`),  
  UNIQUE KEY `ee_ID_UNIQUE` (`ee_ID`),  
  UNIQUE KEY `username_UNIQUE` (`username`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `bug_bounty` (  
  `bounty_id` int NOT NULL AUTO_INCREMENT,  
  `title` varchar(70) DEFAULT 'untitled',  
  `description` varchar(500) DEFAULT 'NA',  
  `coin_reward` double NOT NULL DEFAULT '0',  
  `is_active` int DEFAULT '1',  
  PRIMARY KEY (`bounty_id`),  
  UNIQUE KEY `bounty_id_UNIQUE` (`bounty_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `bug_report` (  
  `report_id` int NOT NULL AUTO_INCREMENT,  
  `ee_ID` int NOT NULL,  
  `bounty_id` int NOT NULL,  
  `is_active` int NOT NULL DEFAULT '1',  
  `time_reported` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  PRIMARY KEY (`report_id`),  
  UNIQUE KEY `report_id_UNIQUE` (`report_id`),  
  KEY `ee_ID_idx` (`ee_ID`),  
  KEY `bounty_id_idx` (`bounty_id`),  
  CONSTRAINT `bounty_id` FOREIGN KEY (`bounty_id`) REFERENCES `bug_bounty`  
  (`bounty_id`),  
  CONSTRAINT `ee_ID_reportFK` FOREIGN KEY (`ee_ID`) REFERENCES `employee`  
  (`ee_ID`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `reward` (  
  `reward_id` int NOT NULL AUTO_INCREMENT,
```

```
`title` varchar(70) DEFAULT 'untitled',  
`coin_price` double DEFAULT '0',  
PRIMARY KEY (`reward_id`),  
UNIQUE KEY `reward_id_UNIQUE` (`reward_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `reward_desc` (  
  `desc_id` int NOT NULL AUTO_INCREMENT,  
  `reward_id` int NOT NULL,  
  `desc_type` varchar(45) DEFAULT 'NA',  
  `desc_value` varchar(45) DEFAULT 'NA',  
  `inventory` int DEFAULT '0',  
  PRIMARY KEY (`desc_id`),  
  UNIQUE KEY `desc_id_UNIQUE` (`desc_id`),  
  KEY `reward_id_idx` (`reward_id`),  
  CONSTRAINT `reward_id` FOREIGN KEY (`reward_id`) REFERENCES `reward`  
  (`reward_id`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```

```
CREATE TABLE `reward_order` (  
  `txn_hash` varchar(70) NOT NULL,  
  `ee_ID` int NOT NULL,  
  `desc_id` int NOT NULL,  
  PRIMARY KEY (`txn_hash`),  
  UNIQUE KEY `txn_hash_UNIQUE` (`txn_hash`),  
  KEY `ee_ID_idx` (`ee_ID`),  
  KEY `desc_id_idx` (`desc_id`),  
  CONSTRAINT `desc_id` FOREIGN KEY (`desc_id`) REFERENCES `reward_desc`  
  (`desc_id`),  
  CONSTRAINT `ee_ID` FOREIGN KEY (`ee_ID`) REFERENCES `employee` (`ee_ID`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
```