Table Creation Queries:

**Table structure for table `all\_doctors`**

CREATE TABLE `all\_doctors` (

`doc\_id` varchar(100) NOT NULL CHECK (`doc\_id` like 'DR%' or `doc\_id` like 'DC%'),

`department\_name` varchar(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `department`**

CREATE TABLE `department` (

`department\_name` varchar(100) NOT NULL,

`department\_location` varchar(100) DEFAULT NULL,

`department\_fac` varchar(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `doc\_on\_call`**

CREATE TABLE `doc\_on\_call` (

`doc\_id` varchar(100) DEFAULT NULL CHECK (`doc\_id` like 'DC%'),

`doc\_name` varchar(100) DEFAULT NULL,

`doc\_quali` varchar(100) DEFAULT NULL,

`doc\_address` varchar(100) DEFAULT NULL,

`doc\_phone` int(100) DEFAULT NULL,

`doc\_fpc` int(100) DEFAULT NULL,

`doc\_payment\_due` date DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `doc\_reg`**

CREATE TABLE `doc\_reg` (

`doc\_id` varchar(100) DEFAULT NULL CHECK (`doc\_id` like 'DR%'),

`doc\_name` varchar(100) NOT NULL,

`doc\_quali` varchar(100) DEFAULT NULL,

`doc\_address` varchar(100) DEFAULT NULL,

`doc\_phone` int(100) DEFAULT NULL,

`doc\_salary` int(100) DEFAULT NULL,

`doc\_joining` date DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `pat\_admit`**

CREATE TABLE `pat\_admit` (

`pat\_id` varchar(100) DEFAULT NULL,

`adv\_pay` int(100) DEFAULT NULL,

`mode\_of\_pay` varchar(100) DEFAULT NULL,

`room\_no` int(100) DEFAULT NULL,

`department\_name` varchar(100) DEFAULT NULL,

`pat\_admit\_date` date DEFAULT NULL,

`initial\_cond` varchar(100) DEFAULT NULL,

`diag` varchar(100) DEFAULT NULL,

`treatment` varchar(100) DEFAULT NULL,

`no\_doc\_treatment` int(100) DEFAULT NULL,

`attendant\_name` varchar(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `pat\_chkup`**

CREATE TABLE `pat\_chkup` (

`pat\_id` varchar(100) DEFAULT NULL,

`doc\_id` varchar(100) DEFAULT NULL,

`pat\_diag` varchar(100) DEFAULT NULL,

`pat\_treatment` varchar(100) DEFAULT NULL,

`pat\_states` tinytext DEFAULT NULL,

`pat\_chkup\_date` date DEFAULT NULL,

`Reffered\_for` tinytext DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `pat\_dis`**

CREATE TABLE `pat\_dis` (

`pat\_id` varchar(100) DEFAULT NULL,

`treatment\_given` varchar(100) DEFAULT NULL,

`treatment\_advice` varchar(100) DEFAULT NULL,

`payment\_made` int(100) DEFAULT NULL,

`mode\_of\_pay` varchar(100) DEFAULT NULL,

`date\_of\_discharge` date DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `pat\_entry`**

CREATE TABLE `pat\_entry` (

`pat\_id` varchar(100) NOT NULL CHECK (`pat\_id` like 'PT%'),

`pat\_name` varchar(100) DEFAULT NULL,

`pat\_age` varchar(100) DEFAULT NULL,

`pat\_sex` tinytext DEFAULT NULL CHECK (`pat\_sex` in ('M','F')),

`pat\_address` varchar(100) DEFAULT NULL,

`pat\_city` varchar(100) DEFAULT NULL,

`pat\_phone` int(100) DEFAULT NULL,

`pat\_entry\_date` date DEFAULT NULL,

`doc\_name` varchar(100) DEFAULT NULL,

`department\_name` varchar(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `pat\_opr`**

CREATE TABLE `pat\_opr` (

`pat\_id` varchar(100) DEFAULT NULL,

`date\_of\_operation` date DEFAULT NULL,

`department\_name` varchar(100) DEFAULT NULL,

`doc\_id` varchar(100) DEFAULT NULL,

`no\_of\_doc` int(100) DEFAULT NULL,

`no\_of\_opt\_theater` int(100) DEFAULT NULL,

`type\_of\_operation` varchar(100) DEFAULT NULL,

`treatment\_advice` varchar(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `pat\_reg`**

CREATE TABLE `pat\_reg` (

`pat\_id` varchar(100) DEFAULT NULL,

`date\_of\_visit` date DEFAULT NULL,

`diag` varchar(100) DEFAULT NULL,

`treatment` varchar(100) DEFAULT NULL,

`med\_rec` varchar(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Table structure for table `room\_detail`**

CREATE TABLE `room\_detail` (

`room\_no` int(100) NOT NULL,

`room\_type` tinytext DEFAULT NULL CHECK (`room\_type` in ('G','P')),

`room\_status` tinytext DEFAULT NULL CHECK (`room\_status` in ('Y','N')),

`charges\_per\_day` int(100) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

**Indexes for table `all\_doctors`**

ALTER TABLE `all\_doctors`

ADD PRIMARY KEY (`doc\_id`),

ADD KEY `department\_name` (`department\_name`);

**Indexes for table `department`**

ALTER TABLE `department`

ADD PRIMARY KEY (`department\_name`),

ADD UNIQUE KEY `department\_name` (`department\_name`);

**Indexes for table `doc\_on\_call`**

ALTER TABLE `doc\_on\_call`

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

**Indexes for table `doc\_reg`**

ALTER TABLE `doc\_reg`

ADD PRIMARY KEY (`doc\_name`),

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

**Indexes for table `pat\_admit`**

ALTER TABLE `pat\_admit`

ADD KEY `department\_name` (`department\_name`),

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

ADD KEY `room\_no` (`room\_no`);

**Indexes for table `pat\_chkup`**

ALTER TABLE `pat\_chkup`

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

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

**Indexes for table `pat\_dis`**

ALTER TABLE `pat\_dis`

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

**Indexes for table `pat\_entry`**

ALTER TABLE `pat\_entry`

ADD PRIMARY KEY (`pat\_id`),

ADD KEY `doc\_name` (`doc\_name`),

ADD KEY `department\_name` (`department\_name`);

**Indexes for table `pat\_opr`**

ALTER TABLE `pat\_opr`

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

ADD KEY `department\_name` (`department\_name`),

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

**Indexes for table `pat\_reg`**

ALTER TABLE `pat\_reg`

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

**Indexes for table `room\_detail`**

ALTER TABLE `room\_detail`

ADD PRIMARY KEY (`room\_no`);

**Constraints for table `all\_doctors`**

ALTER TABLE `all\_doctors`

ADD CONSTRAINT `all\_doctors\_ibfk\_1` FOREIGN KEY (`department\_name`) REFERENCES `department` (`department\_name`);

**Constraints for table `doc\_on\_call`**

ALTER TABLE `doc\_on\_call`

ADD CONSTRAINT `doc\_on\_call\_ibfk\_1` FOREIGN KEY (`doc\_id`) REFERENCES `all\_doctors` (`doc\_id`);

**Constraints for table `doc\_reg`**

ALTER TABLE `doc\_reg`

ADD CONSTRAINT `doc\_reg\_ibfk\_1` FOREIGN KEY (`doc\_id`) REFERENCES `all\_doctors` (`doc\_id`);

**Constraints for table `pat\_admit`**

ALTER TABLE `pat\_admit`

ADD CONSTRAINT `pat\_admit\_ibfk\_1` FOREIGN KEY (`department\_name`) REFERENCES `department` (`department\_name`),

ADD CONSTRAINT `pat\_admit\_ibfk\_2` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`),

ADD CONSTRAINT `pat\_admit\_ibfk\_3` FOREIGN KEY (`room\_no`) REFERENCES `room\_detail` (`room\_no`),

ADD CONSTRAINT `pat\_admit\_ibfk\_4` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`) ON DELETE CASCADE,

ADD CONSTRAINT `pat\_admit\_ibfk\_5` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`) ON DELETE CASCADE;

**Constraints for table `pat\_chkup`**

ALTER TABLE `pat\_chkup`

ADD CONSTRAINT `pat\_chkup\_ibfk\_1` FOREIGN KEY (`doc\_id`) REFERENCES `all\_doctors` (`doc\_id`),

ADD CONSTRAINT `pat\_chkup\_ibfk\_2` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`),

ADD CONSTRAINT `pat\_chkup\_ibfk\_3` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`) ON DELETE CASCADE;

**Constraints for table `pat\_dis`**

ALTER TABLE `pat\_dis`

ADD CONSTRAINT `pat\_dis\_ibfk\_1` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`),

ADD CONSTRAINT `pat\_dis\_ibfk\_2` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`) ON DELETE CASCADE;

**Constraints for table `pat\_entry`**

ALTER TABLE `pat\_entry`

ADD CONSTRAINT `pat\_entry\_ibfk\_1` FOREIGN KEY (`doc\_name`) REFERENCES `doc\_reg` (`doc\_name`),

ADD CONSTRAINT `pat\_entry\_ibfk\_2` FOREIGN KEY (`department\_name`) REFERENCES `department` (`department\_name`);

**Constraints for table `pat\_opr`**

ALTER TABLE `pat\_opr`

ADD CONSTRAINT `pat\_opr\_ibfk\_1` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`),

ADD CONSTRAINT `pat\_opr\_ibfk\_2` FOREIGN KEY (`department\_name`) REFERENCES `department` (`department\_name`),

ADD CONSTRAINT `pat\_opr\_ibfk\_3` FOREIGN KEY (`doc\_id`) REFERENCES `all\_doctors` (`doc\_id`),

ADD CONSTRAINT `pat\_opr\_ibfk\_4` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`) ON DELETE CASCADE;

**Constraints for table `pat\_reg`**

ALTER TABLE `pat\_reg`

ADD CONSTRAINT `pat\_reg\_ibfk\_1` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`),

ADD CONSTRAINT `pat\_reg\_ibfk\_2` FOREIGN KEY (`pat\_id`) REFERENCES `pat\_entry` (`pat\_id`) ON DELETE CASCADE;