**EXPERIMENT 1**

**NGO Table:-**

mysql> CREATE TABLE ngos (

-> id int(30) not null auto\_increment,

-> name varchar(100) not null,

-> location\_id int(10) not null,

-> PRIMARY KEY (id),

-> KEY location\_id (location\_id)

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> desc ngos;

+-------------+--------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+--------------+------+-----+---------+----------------+

| id | int(30) | NO | PRI | NULL | auto\_increment |

| name | varchar(100) | NO | | NULL | |

| location\_id | int(10) | NO | MUL | NULL | |

+-------------+--------------+------+-----+---------+----------------+

3 rows in set (0.01 sec)

**Location Table:-**

mysql> CREATE TABLE location (

-> l\_id int(100) not null auto\_increment,

-> area varchar(100) not null,

-> pincode varchar(100) not null,

-> PRIMARY KEY (l\_id)

-> );

Query OK, 0 rows affected (0.08 sec)

mysql> desc location;

+---------+--------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+---------+--------------+------+-----+---------+----------------+

| l\_id | int(100) | NO | PRI | NULL | auto\_increment |

| area | varchar(100) | NO | | NULL | |

| pincode | varchar(100) | NO | | NULL | |

+---------+--------------+------+-----+---------+----------------+

3 rows in set (0.00 sec)

**NGO\_Activities Table:-**

mysql> CREATE TABLE ngo\_activities (

-> id int(100) not null auto\_increment,

-> ngo\_id int(100) not null,

-> title varchar(100),

-> event text,

-> event\_date date not null,

-> PRIMARY KEY (id),

-> KEY ngo\_id (ngo\_id)

-> );

Query OK, 0 rows affected (0.10 sec)

mysql> desc ngo\_activities;

+------------+--------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+----------------+

| id | int(100) | NO | PRI | NULL | auto\_increment |

| ngo\_id | int(100) | NO | MUL | NULL | |

| title | varchar(100) | YES | | NULL | |

| event | text | YES | | NULL | |

| event\_date | date | NO | | NULL | |

+------------+--------------+------+-----+---------+----------------+

**Volunteers Table:-**

mysql> CREATE TABLE volunteers (

-> id int(100) not null auto\_increment,

-> ngo\_id int(100) not null,

-> hours int(100),

-> ngo\_activity\_id int(100),

-> PRIMARY KEY (id),

-> KEY ngo\_id (ngo\_id),

-> KEY ngo\_activity\_id (ngo\_activity\_id)

-> );

Query OK, 0 rows affected (0.33 sec)

mysql> desc volunteers;

+-----------------+----------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------------+----------+------+-----+---------+----------------+

| id | int(100) | NO | PRI | NULL | auto\_increment |

| ngo\_id | int(100) | NO | MUL | NULL | |

| hours | int(100) | YES | | NULL | |

| ngo\_activity\_id | int(100) | YES | MUL | NULL | |

+-----------------+----------+------+-----+---------+----------------+

4 rows in set (0.00 sec)

**Donors Table:-**

mysql> CREATE TABLE donors (

-> id int(100) not null auto\_increment,

-> donor\_name varchar(100) not null,

-> value varchar(255) not null,

-> ngo\_id int(100) not null,

-> PRIMARY KEY (id),

-> KEY ngo\_id (ngo\_id)

-> );

Query OK, 0 rows affected (0.07 sec)

mysql> desc donors;

+------------+--------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+------------+--------------+------+-----+---------+----------------+

| id | int(100) | NO | PRI | NULL | auto\_increment |

| donor\_name | varchar(100) | NO | | NULL | |

| value | varchar(255) | NO | | NULL | |

| ngo\_id | int(100) | NO | MUL | NULL | |

+------------+--------------+------+-----+---------+----------------+

4 rows in set (0.00 sec)

**Relationship Schema:-**

NGO

|  |  |  |
| --- | --- | --- |
| id | Name | Location\_id |

Location

|  |  |  |
| --- | --- | --- |
| Area | Pincode | L\_id |

Volunteer

|  |  |  |  |
| --- | --- | --- | --- |
| V\_id | Ngo\_id | Hours | Ngo\_activity\_id |

NGO\_Activities

|  |  |  |  |
| --- | --- | --- | --- |
| N\_id | Ngo\_id | Title | Event |

Donor

|  |  |  |  |
| --- | --- | --- | --- |
| D\_id | Name | Value | Ngo\_id |