SECTION -1:

Answer- 1.

|  |  |
| --- | --- |
| **Restaurants** |  |
| id | INTEGER |
| name | STRING |
| location | STRING  STRING |
| description | STRING  STRING |

|  |  |
| --- | --- |
| **Reviews** |  |
| id | INTEGER |
| review | STRING |
| restaurantId | STRING  Integer |

Resturant.hasMany(Review, { foreignKey: "resturantId" });

Review.belongsTo(Resturant, { foreignKey: "resturantId" });

SECTION-2

Answer -

|  |  |  |
| --- | --- | --- |
| **HTTP Verb** | **API Endpoint** | **Brief Description** |
| GET | /analytics/performance | To fetch the list of all the restaurants and their total review count |
| POST | /analytics/add | To add a new restaurant to the database |
| GET | /user/restaurant | To fetch the list of all the restaurants |
| GET | /user/details/:id | To show the name, address, review and the description of the restaurant. |
| POST | /user/review/:id | To post your review for the restaurant |

SECTION- 3

Answer-

1. const a = [1, 3, 5, 2, 4];

const result1 = a.filter((num) => num === 1 || num === 5 || num === 4);

1. const a = [1, 3, 5, 2, 4];

const result2 = a.map((num) => num \*\* 2);

1. const a = [1, 3, 5, 2, 4];

const result3 = a.filter((num) => num > 2 && num % 2 === 0).map((num) => num \*\* 2);