Assignment- Node Js

1. Setup a MySQL database named “assignment”.
2. Create 2 tables
    a. Users
    b. Orders
3. Structure of “users” table should be
    a. Id (autoincrement primary key)
    b. First Name
    c. Last Name
    d. Email (unique)
4. Structure of “orders” table should be
    a. Order_id (primary key)
    b. User_id (foreign key to users table)
    c. Product_name
    d. Status (PENDING, DELIVERED)
    e. Created_date
5. Create a NodeJs express app to connect to above database.
6. Create an api to fetch orders

    Endpoint: <hostname>/orders?page=1&limit=10&user_id=4
    Limit = no. of orders in 1 page
    Page = page_number
    User_id = user_id of the orders

    Expected output:

```
{
    “Total_orders”: <total orders of user_id passed in the api, e.g. 432>,
    “Data”: [{
            “Id”: 1,
            “Product_name”: “iPhone”,
            “Status”: “PENDING”,
            Created_date: “2021-08-10”
        }, {
            “Id”: 2,
            “Product_name”: “Tablet”,
            “Status”: “DELIVERED”,
            Created_date: “2021-08-12”
        }, {
            “Id”: 3,
            “Product_name”: “Samsung Keyboard”,
```

“Status”: “PENDING”,
Created_date: “2021-08-15”
}
]
}

7. Create an api to fetch all users along with their orders.
   Endpoint: <hostname>/users?page=1&limit=10
   Limit = no. of users in 1 page
   Page = page_number

   Expected output:
   {
   “Total_users”: <total users in users table, e.g. 432>,
   “Data”: [
   {
   “Id”: 1,
   “First_name”: “Ram”,
   “Last_name”: “Kumar”,
   “Orders”: [{
   “Id”: 1,
   “Product_name”: “iPhone”,
   “Status”: “PENDING”,
   Created_date: “2021-08-10”
   }, {
   “Id”: 2,
   “Product_name”: “Tablet”,
   “Status”: “DELIVERED”,
   Created_date: “2021-08-12”
   }, {
   “Id”: 3,
   “Product_name”: “Samsung Keyboard”,
   “Status”: “PENDING”,
   Created_date: “2021-08-15”
   }, <all orders of user_id: 2>]]
   }, {
   “Id”: 2,
   “First_name”: “Krishna”,
   “Last_name”: “Kumar”,
   “Orders”: [{
   “Id”: 4,
   “Product_name”: “iPhone”,
   “Status”: “PENDING”,
   Created_date: “2021-08-10”

```
                    }, <all orders of user_id: 2>]
                }
        ]
}
```


Note: Insert some dummy data for this assignment.