

? Answer ?

1 you are asked to prepare a database for a book shop, the owner wants a database to store information which includes book title, book genre, author name, and year of publication. Create a database for the owner to insert the following information.

Ans:

```
// modular approach

import express from 'express';
const app = express()

// middle ware
app.use(express.json())
app.use(express.urlencoded({extended:true}))

// in order to create and insert a full info using "/bookstore" route
app.get('/bookstore', (req,res)=>{

  const AuthorTable = `CREATE TABLE if not exists BookStore(

    author_id int auto_increment,
    author_name varchar(255) not null,
    author_location varchar(255) not null,
    PRIMARY KEY (author_id)
  )`

  myConnection.query(AuthorTable, (err, results, fields) => {
    if (err) {
      console.log(err);}
    else{
      console.log("Author Table created successfully ");
    }
  });
})

// insert data
app.post('/insertData',(req,res)=>{
  const { book_title, book_genre, author_name, year_of_publication } =
req.body;
```

```
    myConnection.query(  
      `insert into Authors (author_name, author_location) value  
      ('${book_title}', '${book_genre}', '${author_name}', '${year_of_publication}') `,  
      (err, row, fields) => {  
        if (err) {  
          console.log(err);  
        } else {  
          console.log("information inserted successfully");  
        }  
      }  
    );  
  })  
  
  // listener  
  app.listen(4444, console.log('server running on port 4444'))
```