```
import { todo } from "node:test";
import { Column, Entity, PrimaryGeneratedColumn }
from "typeorm";

@Entity({name:'todo'})
export class TodoEntity {

    @PrimaryGeneratedColumn()
    id:number

    @Column()
    title:string
}
```

```
import { Injectable, NotFoundException } from
'@nestjs/common';
import { InjectRepository } from
'@nestjs/typeorm';
import { TodoEntity } from
'src/todo/todo/todo.entity';
import { Repository } from 'typeorm';

@Injectable()
export class TodoService {
    constructor(
```

```
@InjectRepository(TodoEntity) private
readonly todoRepository:Repository<TodoEntity>,
    async create(dto: {title:string}) {
        const todo
=this.todoRepository.create(dto)
        return await
this.todoRepository.save(todo)
    async findOne(id: number): Promise<TodoEntity</pre>
 null> {
        return this.todoRepository.findOneBy({ id
});
      async updateFull(
        id: number,
        dto: { title: string },
      ): Promise<TodoEntity> {
        const todo = await
this.todoRepository.preload({ id, ...dto });
        if (!todo) {
          throw new NotFoundException(`Todo #${id})
not found`);
        return this.todoRepository.save(todo);
```

```
async updatePartial(
        id: number,
        dto: Partial<{ title: string }>,
      ): Promise<TodoEntity> {
        const result = await
this.todoRepository.update(id, dto);
        if (result.affected === 0) {
          throw new NotFoundException(`Todo #${id})
not found`);
        const todo = await this.findOne(id);
        if (!todo) {
        throw new NotFoundException(`Todo #${id})
not found after update`);
        return todo;
```

```
import { Body, Controller, Get, Param,
ParseIntPipe, Patch, Post, Put } from
'@nestjs/common';
import { TodoService } from './todo.service';
import { TodoEntity } from
'src/todo/todo/todo/todo.entity';
```

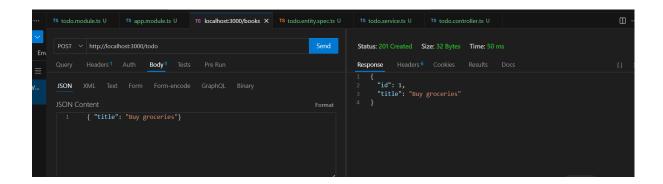
```
@Controller('todo')
export class TodoController {
    constructor(private readonly
todoService:TodoService) { }
    @Post()
    create(@Body() dto){
        return this.todoService.create(dto)
    @Get(':id')
    findOne(
      @Param('id', ParseIntPipe) id: number,
    ): Promise<TodoEntity | null> {
     return this.todoService.findOne(id);
    @Put(':id')
    updateFull(
      @Param('id', ParseIntPipe) id: number,
      @Body()dto: {title:string},
    ): Promise<TodoEntity> {
      return this.todoService.updateFull(id, dto);
    @Patch(':id')
```

```
updatePartial(
    @Param('id', ParseIntPipe) id: number,
    @Body() dto:{title:string},
): Promise<TodoEntity> {
    return this.todoService.updatePartial(id,
dto);
}
```

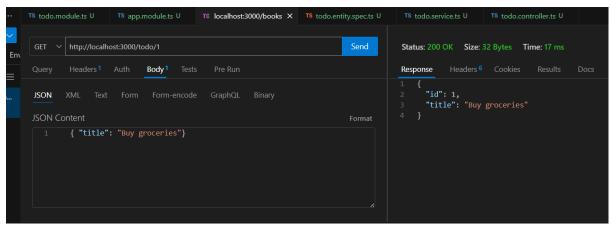
```
import { Module } from '@nestjs/common';
import { AppController } from './app.controller';
import { AppService } from './app.service';
import { TypeOrmModule } from '@nestjs/typeorm';
import { TodoModule } from
'./todo/todo/todo.module';
@Module({
  imports: [
   TypeOrmModule.forRoot({
     type: 'mysql',
     host: 'localhost',
     port: 3306,
     username: 'root',
     password: 'root123',
     database: 'test',
      autoLoadEntities: true,
      synchronize: true,
```

```
}),
TodoModule

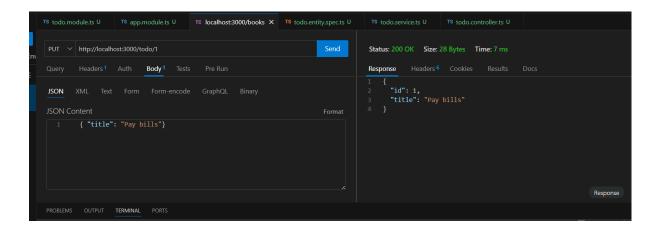
],
controllers: [AppController],
providers: [AppService],
})
export class AppModule {}
```



GET



PUT



Patch

