Means one employee can have one address

```
1) Create Spring Boot Project with dependencies
spring web h2dilect and spring JPA
2) Create a Entity class as new class ---->Employee
import java.util.List;
import jakarta.persistence.CascadeType;
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.JoinColumn;
import jakarta.persistence.OneToMany;
import jakarta.persistence.OneToOne;
import jakarta.persistence.Table;
import jakarta.transaction.Transactional;
@Entity
@Transactional
@Table(name="emp")
public class Employee {
      @Id
      @GeneratedValue (strategy = GenerationType.AUTO)
      @Column(name="emp id")
      private Long empid;
      private String empname;
      private Integer empage;
      @OneToMany( cascade = CascadeType.ALL )
      @JoinColumn(name="fk add id")
      private List <Address> address;
      public Long getEmpid() {
           return empid;
      }
      public void setEmpid(Long empid) {
           this.empid = empid;
      }
      public String getEmpname() {
           return empname;
      }
```

```
public void setEmpname(String empname) {
           this.empname = empname;
     public Integer getEmpage() {
           return empage;
     public void setEmpage(Integer empage) {
           this.empage = empage;
     public List<Address> getAddress() {
           return address;
     public void setAddress(List<Address> address) {
           this.address = address;
}
3) Create EmployeeRepository interface:- new---->Interface---
>EmployeeRepository
import org.springframework.data.jpa.repository.JpaRepository;
public interface EmployeeRepository extends JpaRepository<Employee, Long>
}
4) Create a new class Address and write the following code
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.Table;
import jakarta.transaction.Transactional;
@Entity
@Transactional
@Table(name="address")
public class Address {
```

```
@Id
     @GeneratedValue(strategy = GenerationType.AUTO)
     @Column(name = "add id")
     private Long addressId;
     private String City;
     private String addressType;
     public Long getAddressId() {
           return addressId;
     public void setAddressId(Long addressId) {
           this.addressId = addressId;
     public String getCity() {
           return City;
     public void setCity(String city) {
           City = city;
     public String getAddressType() {
           return addressType;
     public void setAddressType(String addressType) {
           this.addressType = addressType;
}
5) Create a employeecontroller class as ----->new class->EmpController
import java.util.List;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RestController;
@RestController
public class EmpController {
     @Autowired
     private EmployeeRepository employeeRepository;
```

```
@GetMapping("/saveemp")
    public List<Employee> getAllProducts() {
        return employeeRepository.findAll();
      @PostMapping("/saveemp")
           public ResponseEntity<String> saveEmployees (@RequestBody
Employee empdata)
            employeeRepository.save(empdata);
            return ResponseEntity.ok("Data saved");
}
in the application.properties write the following code
spring.datasource.url=jdbc:h2:mem:testdb
spring.datasource.driverClassName=org.h2.Driver
spring.datasource.username=sa
spring.datasource.password=password
run the application
create json and use link localhost:8080/saveemp
run post url
and provide json as
"empid":1,
"empname":"abc",
"empage":3,
"address":
"addressId":2,
"City": "Dhule",
"addressType":"dd"
},
"addressId": 3,
"City": "Dhule",
"addressType":"dd"
]
```