# laboratorio spring

requisitos

* java 8
  + https://drive.google.com/drive/folders/11VxGYwbJoRYk1GPa7zuU1Kz6dVzdgGTw

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| 1 | ir a https://start.spring.io   * project : maven * language: Java * Spring boot: 2.1.9 * Group. el grupo de la app * artifact: identificador de la app * opciones adicionales * package * packaging * java version: 1.8 * dependencies * agregar: web, h2, rest repositories, jpa   y generar |
| 2 | descargar zip |
| 3 | ejecutar:  mvnw clean install |
| 4 | mvnw spring-boot:run |
| 5 | http://localhost:8080/ |
| 6 | Reemplazar DemoApplication  package com.example.demo;  import java.util.List;  import javax.persistence.Entity;  import javax.persistence.GeneratedValue;  import javax.persistence.Id;  import org.springframework.beans.factory.annotation.Autowired;  import org.springframework.boot.SpringApplication;  import org.springframework.boot.autoconfigure.SpringBootApplication;  import org.springframework.data.jpa.repository.JpaRepository;  import org.springframework.data.jpa.repository.config.EnableJpaRepositories;  import org.springframework.stereotype.Repository;  import org.springframework.web.bind.annotation.RequestMapping;  import org.springframework.web.bind.annotation.RestController;  @SpringBootApplication //1  @RestController  @EnableJpaRepositories(considerNestedRepositories=true)  public class DemoApplication {  public static void main(String[] args) {  //2  SpringApplication.run(DemoApplication.class, args);  }    //3  @Entity  static class Cat {  @Id  @GeneratedValue  private Long id;  private String name;  Cat() {  }  public Cat(String name) {  this.name = name;  }  @Override  public String toString() {  return "Cat{" + "id=" + id + ", name='" + name + '\'' + '}';  }  public Long getId() {  return id;  }  public String getName() {  return name;  }  }  //4  @Repository  interface CatRepository extends JpaRepository<Cat, Long> {  }  //5  @Autowired  private CatRepository repository;    //6  @RequestMapping("/cats")  public List<Cat> list() {    Cat cat= new Cat("garfield");  repository.save(cat);  return repository.findAll();  }  } |
| 7 | mvnw spring-boot:run |
| 8 | http://localhost:8080/cats/ |

# Configurar virtualizacion

requisitos

* vm
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| 1 | 1. Descargar vmware  <https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html> |
| 2 | descargar imagen de maquina virtual |