Question No -1:-

1. Created an entity class and added all the fields:-

@Entity

@AllArgsConstructor

@NoArgsConstructor

@Table(name=”LEAD”)

Public class Lead{

@Id

@GeneratedValue(strategy=GenarationType=Auto)

private int id;

@NotEmpty(message=”this is required field”)

private String firstName;

private String middleName;

@NotEmpty(message=”this is required field”)

private String lastName;

@NotEmpty(message=”this is required field”)

private int mobNo;

@NotEmpty(message=”this is required field”)

private String gender;

@NotEmpty(message=”this is required field”)

private int dob;

private string email;

}

1. Create an interface called leadRepository which extends JPA repository

public interface leadRepository extends JPARepository<Lead lead>{

}

1. Create a service to have all the crud operations:-

@Service

public class LeadService{

@Autowired

private leadRepository repository;

// save method

Public Lead saveLead(Lead lead)

{

If(!leadRepo.getLeadById(lead.getlead())

{

return leadRepository.save()

}else

System.out.println(“Lead already Exist);

}

}

1. Creating controller to execute these operations:-

@RestController

public class leadController{

@Autowired

Private leadService service;

@PostMapping(“/addLead”)

public Lead addLead(@RequestBody Lead lead){

return service. saveLead(Lead);

}

Question No 2:-

Step1:- Created a service and added validation:-

@Service

public class LeadService{

@Autowired

private leadRepository repository;

// save method

Public Lead saveLead(Lead lead){

return leadRepository.save();

// getMethod (custom method)

Public Lead getLeadByMob(int mobNo){

return leadRepository.findByMob(mobNo);

}

}

Step 2:- As this is the custom method, we have to add it in the repository interface

public interface leadRepository extends JPARepository<Lead lead>{

Lead findByMob(mobNo);

}

Step 3:- Add getMapping in the controller

@RestController

public class leadController{

@Autowired

Private leadService service;

@PostMapping(“/addLead”)

public Lead addLead(@RequestBody Lead lead){

return service. saveLead(Lead);

@GetMapping(“/lead”)

public Lead findByMob(int mobNo){

return service. getLeadByMob(int mobNo)

}