

PATIENT CHECKED BY DOCTOR

Q #1

ATTRIBUTES

PATIENTID;
PATIENTFNAME;
PATIENTLNAME;
PATIENTAGE;
PATIENTGENDER;
PATIENTDAYADMITTED;
PATIENTDISCHARGESTATUS;
PATIENTPROBLEM;

Q # 2,3,4

```
private int patientID;  
private String patientfname;  
private String patientlname;  
private int patientage;  
private String patientgender;  
private String patientdayadmitted;
```

```
private Boolean patientdischargestatus;  
private String patientdaydischarge;  
private String patientproblem;  
public int getPatientID() {
```

CODE

CODE OF REPOSTRY CLASS

```
package com.finalterm.repository;
```

```
import
```

```
org.springframework.data.jpa.repository.JpaRepository;
```

```
import com.finalterm.entity.patient;
```

```
public interface PatientRepository extends JpaRepository  
<patient,Integer> {
```

```
        patient findByName(String patientfname);  
  
    }
```

CODE OF SERVICE CLASS

```
com.finalterm.service;
```

```
import java.util.List;
```

```
import
```

```
org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.stereotype.Service;
```

```
import com.finalterm.entity.patient; import  
com.finalterm.repository.PatientRepository;
```

```
@Service public class
```

```
PatientService {
```

```
    @Autowired    private
```

```
PatientRepository repository;
```

```
public Patient savePatient(Patient patient) {
```

```
    return repository.save(patient);
```

```
}
```

```
public List<Patient> savePatients(List<Patient> patients) {
```

```
    return repository.saveAll(patients);
```

```
}
```

```
public List<patient> getpatients() {  
    return repository.findAll();  
  
}
```

```
public patient getpatientById(int patientid) {  
    return repository.findById(patientid).orElse(null);  
  
}
```

```
public patient getpatientByName(String patientfname) {  
    return repository.findByName(patientfname);  
  
}
```

```
public String deleteProduct(int patientid) {  
    repository.deleteById(patientid);    return "product  
removed !! " + patientid;  
  
}
```

```
public patient updatepatient(patient patient) {  
    patient existingpatient =  
    repository.findById(patient.getPatientID()).orElse(null);  
  
    existingpatient.setPatientfname(patient.getPatientfname  
());  
  
    existingpatient.setPatientlname(patient.getPatientlname  
());  
  
    existingpatient.setPatientage(patient.getPatientage());  
  
    existingpatient.setPatientgender(patient.getPatientgend  
er());  
    existingpatient.setPatientdayadmitted(patient.getPatient  
dayadmitted());  
  
    existingpatient.setPatientdischargestatus(patient.getPati  
entdischargestatus());  
}
```

```
existingpatient.setPatientdaydischarge(patient.getPatientdaydischarge());
```

```
existingpatient.setPatientproblem(patient.getPatientproblem());
```

```
    return repository.save(existingpatient);  
}
```

```
public String deletepatient(int patientid) {  
    // TODO Auto-generated method stub  
    return null;  
}
```

```
}
```

CODE OF CONTROLLER CLASS

```
com.finalterm.controller;
```

```
import java.util.List;
```

```
import
```

```
org.springframework.beans.factory.annotation.Autowired;  
import
```

```
org.springframework.web.bind.annotation.DeleteMapping;  
import
```

```
import
```

```
org.springframework.web.bind.annotation.GetMapping;
```

```
import
```

```
org.springframework.web.bind.annotation.PathVariable;
```

```
import
```



```
org.springframework.web.bind.annotation.PostMapping;
```

```
import
```

```
org.springframework.web.bind.annotation.PutMapping;
```

```
import
```

```
org.springframework.web.bind.annotation.RequestBody;
```

```
import
```

```
org.springframework.web.bind.annotation.RestController;  
r;
```

```
import com.finalterm.entity.patient; import
```

```
com.finalterm.service.PatientService;
```

```
@RestController public class
```

```
PatientController {
```

```
    @Autowired
```

```
private PatientService service;
```

```
@PostMapping("/addpatient") public patient
```

```
addpatient(@RequestBody patient patient) {    return  
service.savepatient(patient);
```

```
}
```

```
@PostMapping("/addpatients")
```

```
public List<patient> addpatient(@RequestBody  
List<patient> patients) {    return  
service.savepatients(patients);
```

```
}
```

```
@GetMapping("/patients")    public  
List<patient> findAllpatients() {  
return service.getpatients();
```

```
}
```

```
@GetMapping("/patientById/{id}")    public  
patient findpatientById(@PathVariable int  
patientid) {    return  
service.getpatientById(patientid);
```

```
}
```

```
@GetMapping("/product/{name}")  
  
public patient findProductByName(@PathVariable  
String name) {    return  
service.getpatientByName(name);  
  
}
```

```
@PutMapping("/update")    public patient  
updateProduct(@RequestBody patient patient) {  
  
    return service.updatepatient(patient);  
  
}
```

```
@DeleteMapping("/delete/{patientid}")  
public String deletepatient(@PathVariable int  
patientid) {    return  
service.deletepatient(patientid);  
  
}
```

```
}
```

CODE OF ENTITY CLASS

```
package com.finalterm.entity;
```

```
import javax.persistence.Entity;
```

```
import javax.persistence.Id;
```

```
import javax.persistence.Table;
```

```
import lombok.AllArgsConstructor;
```

```
import lombok.Data; import
```

```
lombok.NoArgsConstructor;
```

```
@Data
```

@AllArgsConstructor

@Entity

@Table(name="PATIENT_TBL")

public class patient {

@Id

@GeneratedValue

private int patientID; private String

patientfname; private String

patientlname; private int

patientage; private String

patientgender; private String

patientdayadmitted;

```
    private Boolean patientdischargestatus;

    private String patientdaydischarge;

private String patientproblem;

public int getPatientID() {    return
patientID;

    }

    public void setPatientID(int patientID) {
this.patientID = patientID;

    }

    public String getPatientfname() { return
patientfname;

    }

    }
```

```
public void setPatientfname(String patientfname) {  
this.patientfname = patientfname;  
  
}  
  
public String getPatientlname() { return  
patientlname;  
  
    public void setPatientlname(String patientlname) {  
        this.patientlname = patientlname;  
    }  
  
public int getPatientage() { return  
patientage;  
  
}  
  
    public void setPatientage(int patientage) {  
this.patientage = patientage;  
  
}
```

```
}
```

```
public String getPatientgender() { return  
patientgender;
```

```
}
```

```
public void setPatientgender(String patientgender) {  
this.patientgender = patientgender;
```

```
}
```

```
public String getPatientdayadmitted() { return  
patientdayadmitted;
```

```
public void setPatientdayadmitted(String  
patientdayadmitted) { this.patientdayadmitted  
= patientdayadmitted;
```

```
}
```

```
}
```



```
    public Boolean getPatientdischargestatus() {  
return patientdischargestatus;  
  
    }  
  
    public void setPatientdischargestatus(Boolean  
patientdischargestatus) {  
this.patientdischargestatus =  
patientdischargestatus;  
  
    }  
  
    public String getPatientdaydischarge() { return  
patientdaydischarge;  
  
    }  
  
    public void setPatientdaydischarge(String  
patientdaydischarge) {          this.patientdaydischarge  
= patientdaydischarge;  
  
    }
```

```

    public String getPatientproblem() {
return patientproblem;

    }

    public void setPatientproblem(String
patientproblem) {          this.patientproblem
= patientproblem;

    }

}

```