



Recuperacion Entorno

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Crear la clase Paciente

The screenshot shows the Eclipse IDE with the 'GestorTurnosConsulta' project. The Package Explorer on the left shows the package structure: 'GestorTurnosConsulta' > 'src' > 'modelo'. The 'Paciente.java' file is open in the editor. The code defines a 'Paciente' class with attributes 'n' (String), 'm' (String), and 'p' (int). It includes a constructor 'Paciente(String n, String m, int p)' that initializes these attributes.

```
1 package modelo;
2
3 public class Paciente {
4     String n;
5     String m;
6     int p;
7
8     public Paciente(String n, String m, int p) {
9         this.n = n;
10        this.m = m;
11        this.p = p;
12    }
13 }
14
```

Crear la clase GestorTurnos

The screenshot shows the Eclipse IDE with the 'GestorTurnosConsulta' project. The Package Explorer on the left shows the package structure: 'GestorTurnosConsulta' > 'src' > 'modelo'. The 'GestorTurnos.java' file is open in the editor. The code defines a 'GestorTurnos' class with a 'lista' attribute of type 'List<Paciente>'. It includes methods 'a', 'b', 'c', and 'd' that interact with the 'lista' attribute. Method 'a' adds a new 'Paciente' object to the list. Method 'b' returns the list. Method 'c' returns the count of patients in the list. Method 'd' returns the list of patients.

```
1 package modelo;
2
3 import java.util.*;
4
5 public class GestorTurnos {
6     List<Paciente> lista = new ArrayList<>();
7
8     public void a(String n, String m, int p) {
9         lista.add(new Paciente(n, m, p));
10    }
11
12    public Paciente b() {
13        for (int prio = 1; prio <= 3; prio++) {
14            for (Paciente x : lista) {
15                if (x.p == prio) {
16                    lista.remove(x);
17                    return x;
18                }
19            }
20        }
21        return null;
22    }
23
24    public int c(int prio) {
25        int cont = 0;
26        for (Paciente x : lista) {
27            if (x.p == prio) {
28                cont++;
29            }
30        }
31        return cont;
32    }
33
34    public String d() {
35        for (int prio = 1; prio <= 3; prio++) {
36            for (Paciente x : lista) {
37                if (x.p == prio) {
```



```
        if (x.p == prio) {  
            return x.n;  
        }  
    }  
    }  
    return null;  
}  
  
public boolean e(String n) {  
    for (Paciente x : lista) {  
        if (x.n.equals(n)) {  
            lista.remove(x);  
            return true;  
        }  
    }  
    return false;  
}  
}
```

Crear clase Main

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left displays the project structure: **GestorTurnosConsulta** (containing **JRE System Library [JavaSE-22]**) and **src** (containing **modelo** with **GestorTurnos.java**, **Main.java**, **Paciente.java**, and **module-info.java**). The main editor shows the code for **Main.java**:

```
1 package modelo;  
2  
3 public class Main {  
4     public static void main(String[] args) {  
5         GestorTurnos g = new GestorTurnos();  
6  
7         g.a("Ana", "Dolor de cabeza", 2);  
8         g.a("Luis", "Urgencia", 1);  
9         g.a("Pedro", "Consulta general", 3);  
10  
11         System.out.println("Siguiente en ser atendido: " + g.d());  
12         System.out.println("Paciente atendido: " + g.b().n);  
13         System.out.println("Pacientes con prioridad 1: " + g.c(1));  
14         System.out.println("Cancelar turno Ana: " + g.e("Ana"));  
15     }  
16 }  
17
```