

## **Project Content : Restaurant Tip Calculation System**

This is a desktop java application. The project aims to distribute the tips collected by a restaurant to its staff fairly.

### **Features Application:**

- a frame asking how much tip was collected
- adding staff {name , type(full? part?), point, days worked(for part) }
- tip calculation button
- Displaying the calculated tips regularly in a table
- delete staff

### **App Info:**

This application is developed with Java and SQL. The connection between java and sql is provided by JDBC.

Java(Netbeans)

SQL(MySQL)

### **JFRAME SCREENSHOTS:**

The application consists of three main windows:

- Enter Tip Amount Dialog:** A small window titled "Enter Tip Amount" with a text input field and a "Next" button.
- Employee Information Window:** A window titled "Enter Employee Information" with fields for:
  - Name: [text input]
  - Employment Type: [dropdown menu showing "Full-time"]
  - Points: [text input]
  - Days Worked (Part-time): [text input]Buttons at the bottom include "Add Employee" and "Calculate Tips".
- Tip Calculation Results Table:** A window titled "Tip Calculation Results" displaying a table of employee data:

ID	Name	Employment Type	Points	Days Worked	Tip Amount (TL)
11	şamil	Part-time	7	4	614,39
12	deniz	Full-time	10	-	1824,96
13	enes	Full-time	9	-	1642,47
14	murat	Full-time	8	-	1459,97
15	ferhat	Full-time	6	-	1094,98
16	garip	Full-time	6	-	1094,98
21	rozerin	Part-time	2	3	131,65
22	leyla	Part-time	4	3	263,31
23	yunus	Part-time	3	4	263,31
24	necmi	Full-time	2	-	364,99

**Delete Employee** button at the bottom.

## SQL SCREENSHOTS:

```
SQL File 5* ×
File | Edit | Find | Replace | Options | Help | Limit to 1000 rows | 
1
2 • CREATE DATABASE IF NOT EXISTS tip_calculator;
3
4
5 • USE tip_calculator;
6
7
8 • CREATE TABLE IF NOT EXISTS employees (
9     id INT AUTO_INCREMENT PRIMARY KEY,
10    name VARCHAR(255) NOT NULL,
11    is_full_time BOOLEAN NOT NULL,
12    points INT NOT NULL,
13    days_worked INT DEFAULT NULL
14 ) ;
```

	<b>id</b>	<b>name</b>	<b>is_full_time</b>	<b>points</b>	<b>days_worked</b>
▶	11	şamil	0	7	4
	12	deniz	1	10	HULL
	13	enes	1	9	HULL
	14	murat	1	8	HULL
	15	ferhat	1	6	HULL
	16	garip	1	6	HULL
	21	rozerin	0	2	3
	22	leyla	0	4	3
	23	yunus	0	3	4
	24	necmi	1	2	HULL
*	HULL	HULL	HULL	HULL	HULL