# Курсовий Проєкт

Автоматизована система розрахунку заробітної плати

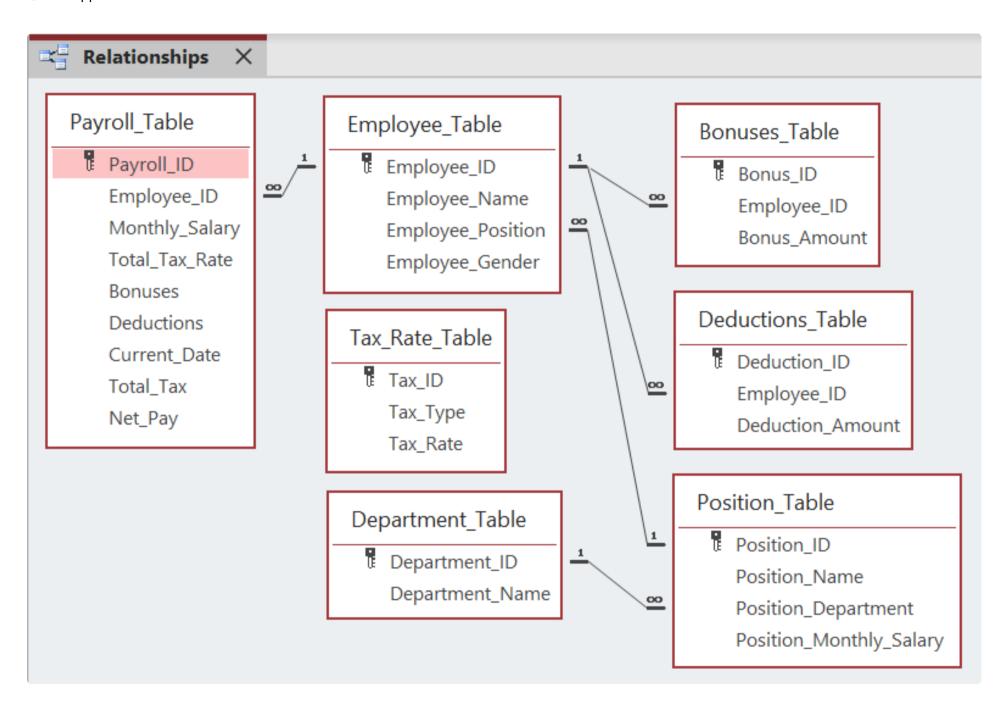
Виконано Онищенко Олегом, студентом групи КНТ-122

#### Резюме

База даних призначена для розрахунку заробітної плати працівників фірми

Система передбачає автоматичний розрахунок заробітної плати працівників фірми з урахуванням податків

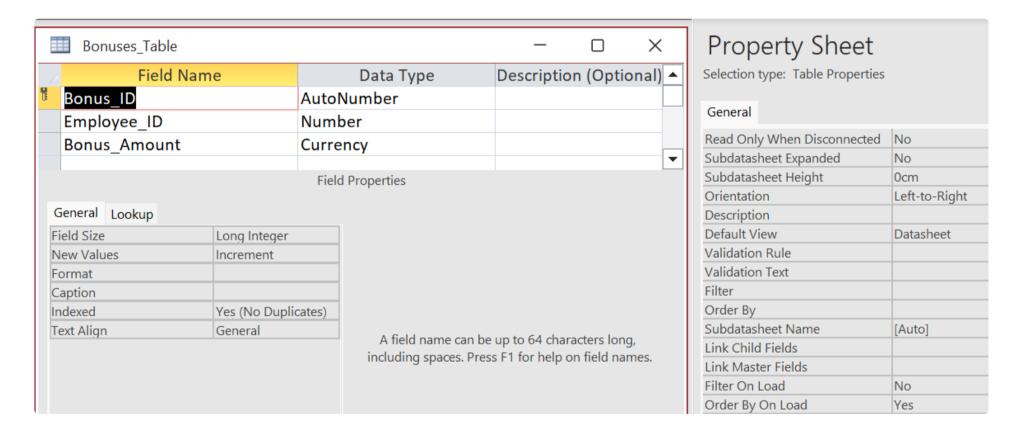
# Схема даних



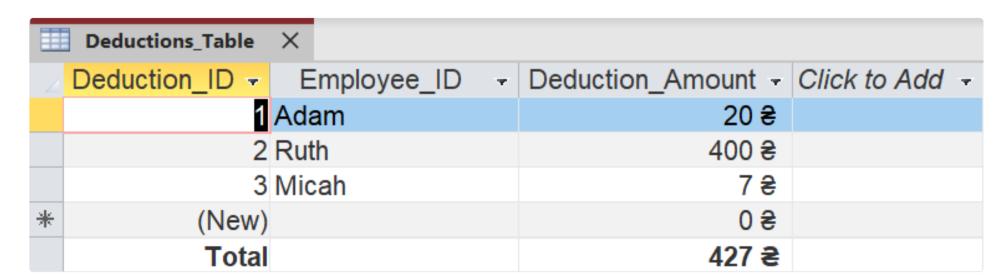
Таблиці

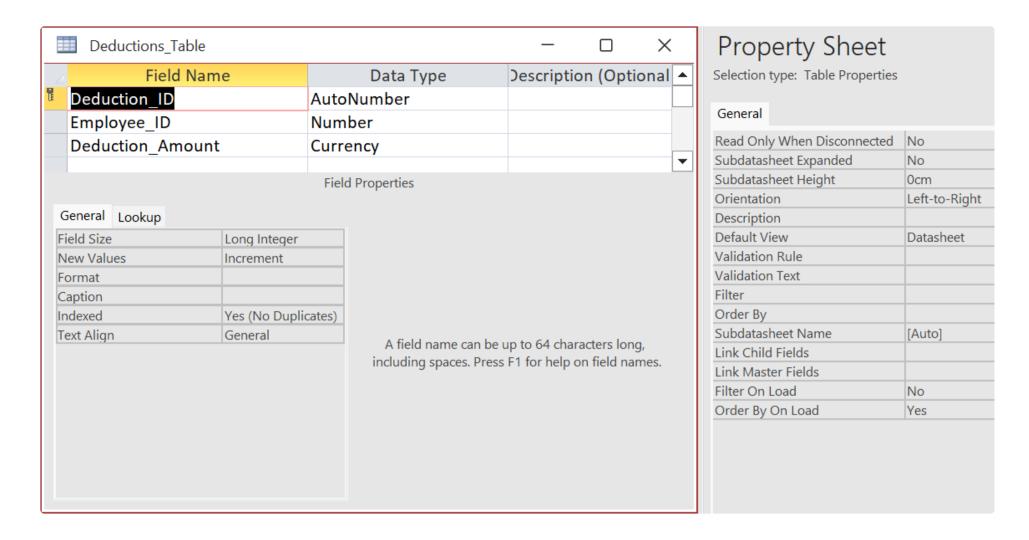
**Bonuses Table** 

Bonuses_Table	×				
∠ Bonus_ID →	Employee_ID	Ŧ	Bonus_Amount -	Click to Add	¥
1 Ak	oraham		700 €		
2 Ru	uth		1 200 €		
3 Jo	hn		1 000 €		
4 Sc	olomon		7 777 777 €		
5 Ac	dam		1 600 <del>2</del>		
6 Ac	dam		1 200 <del>2</del>		
7 Ac	dam		77 <del>2</del>		
8 Da	aniel		77 <del>2</del>		
9 Ja	cob		77 <del>2</del>		
10 Mi	icah		77 <del>2</del>		
* (New)			0 8		
Total			7 783 785 €		



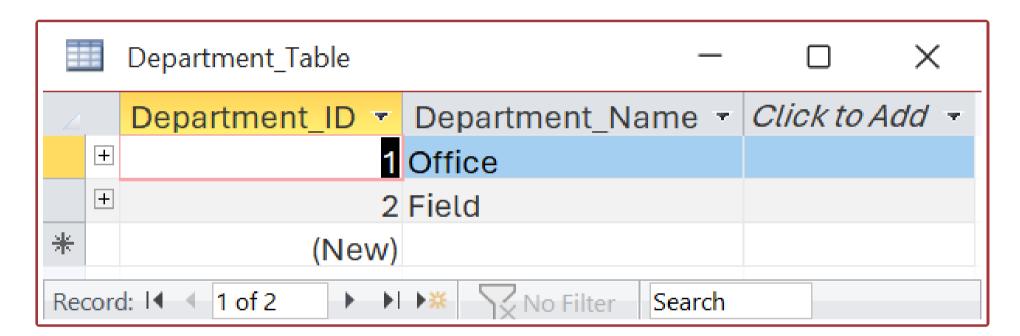
# **Deductions Table**



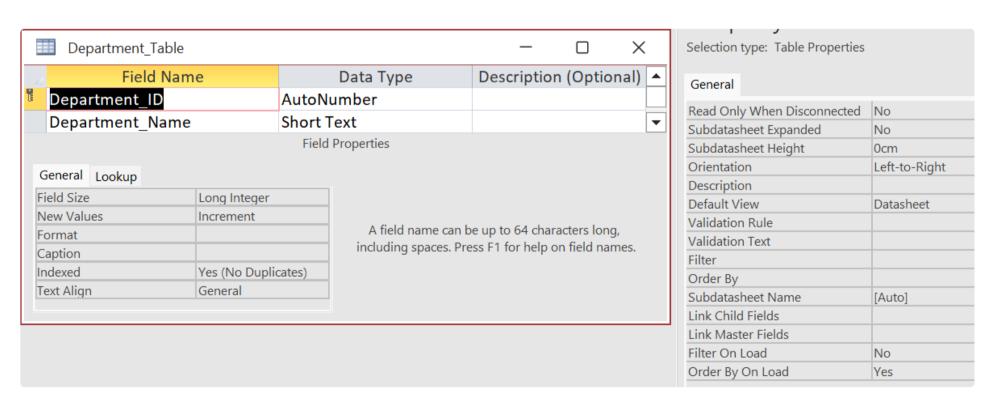


#### Department Table

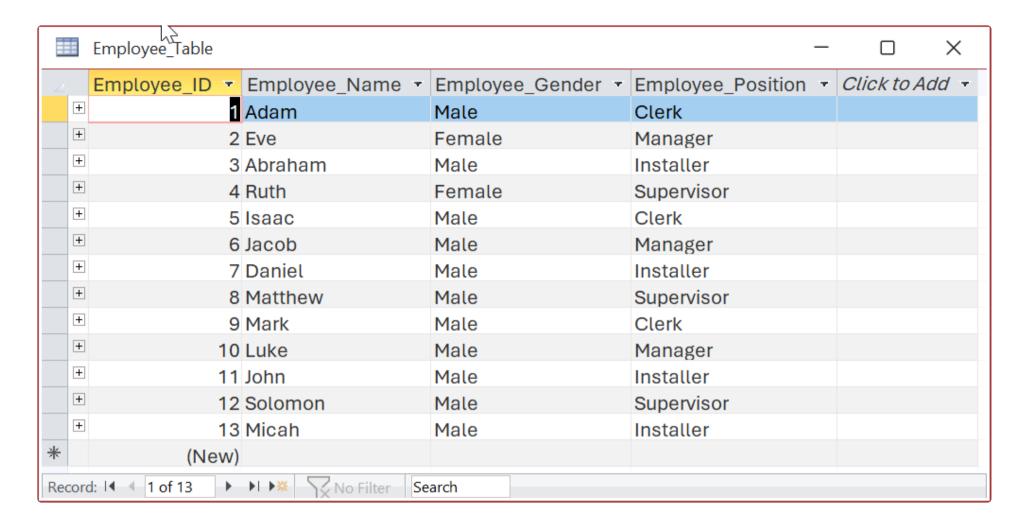
# PREVIEW

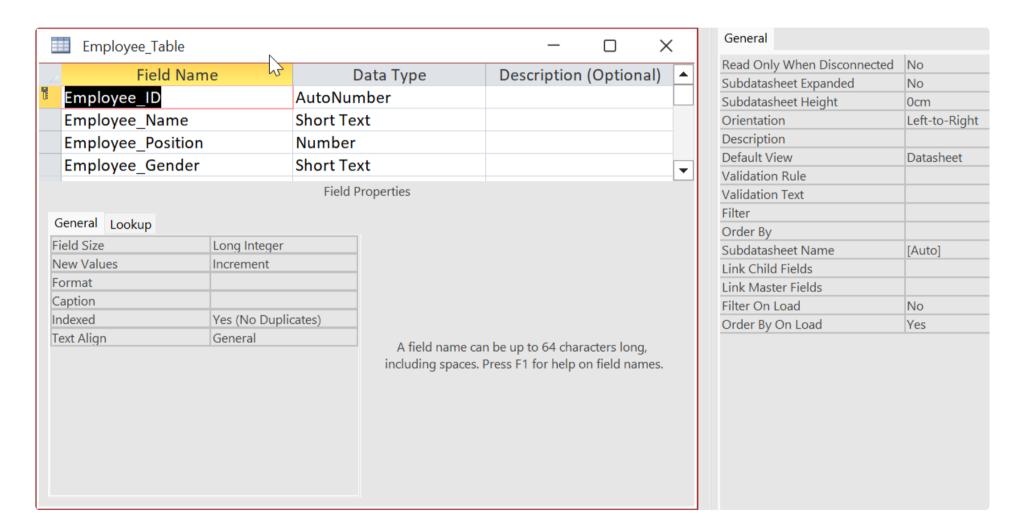


# DESIGNER



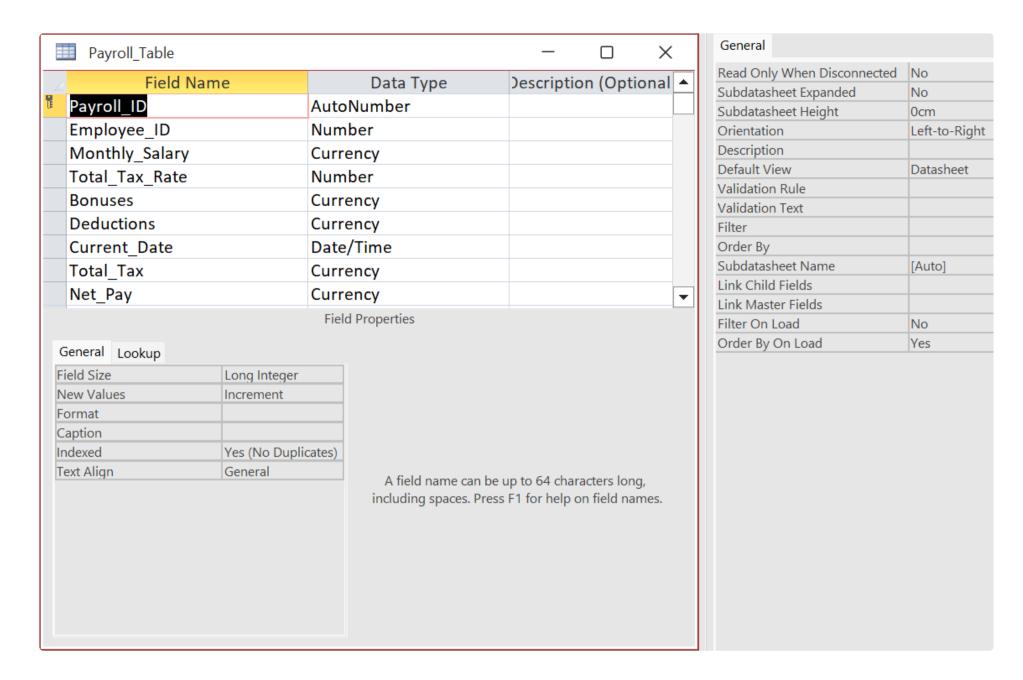
Employee Table





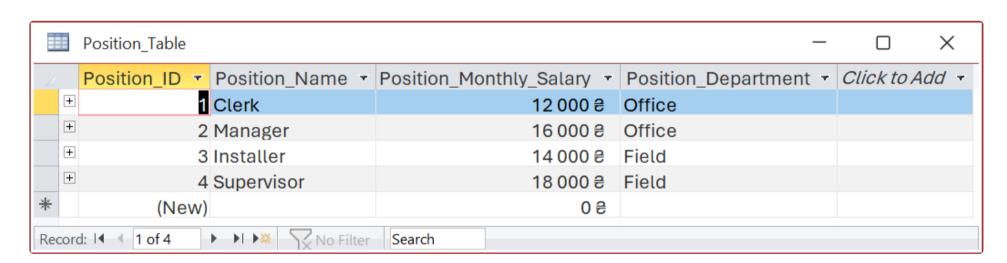
# Payroll Table

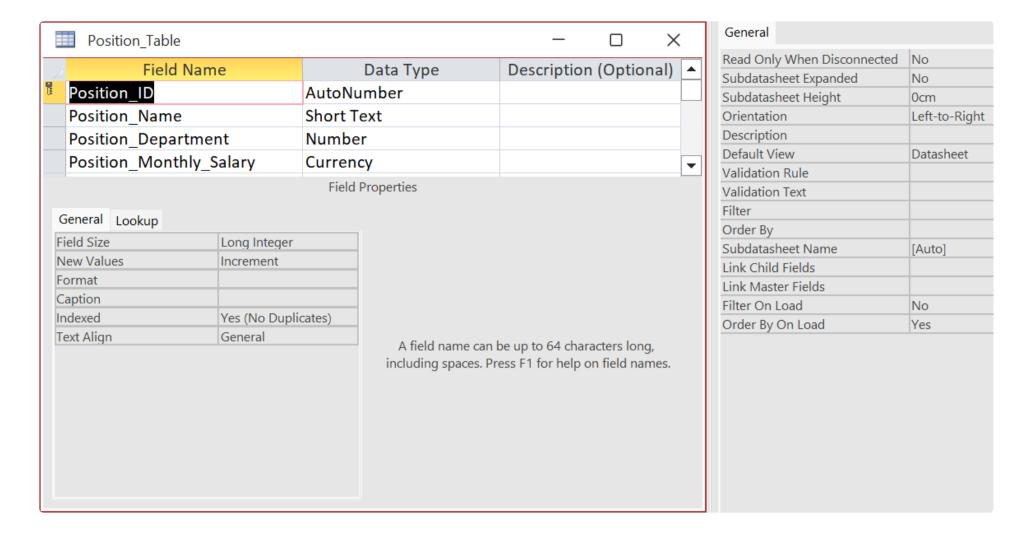
Payroll_Table							_		×
Payroll_ID - Employee_ID -	Monthly_Salary -	Total_Tax_Rate -	Bonuses -	Deductions -	Current_Dat -	Total_Tax -	Net_Pay -	Click to A	1 <i>dd</i>
6 Adam	12 000,0 €	0,0%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
7 Adam	12 000,0 €	0,0%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
8 Adam	12 000,0 €	1950,0%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
9 Adam	12 000,0 €	20,0%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
10 Adam	12 000,0 €	19,5%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
11 Adam	12 000,0 €	19,5%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
12 Adam	12 000,0 €	19,5%	2 877 €	20 €	01.05.2024	2 340,0 €	12 517,0 €		
13 Eve	16 000,0 €	19,5%	0 €	0 ⊖	01.05.2024	3 120,0 €	12 880,0 €		
14 Micah	14 000,0 €	19,5%	77 €	7 €	01.05.2024	2 730,0 €	11 340,0 €		
15 Micah	14 000,0 €	19,5%	77 €	7 €	21.05.2024	2 730,0 €	11 340,0 €		
16 Adam	12 000,0 €	19,5%	2 877 €	20 €	21.05.2024	2 340,0 €	12 517,0 €		
17 Ruth	18 000,0 €	19,5%	1 200 용	400 €	21.05.2024	3 510,0 €	15 290,0 €		
(New)	0,0 €	0,0%	0 €	0 €	21.05.2024	0,0 €	0,0 €		



#### **Position Table**

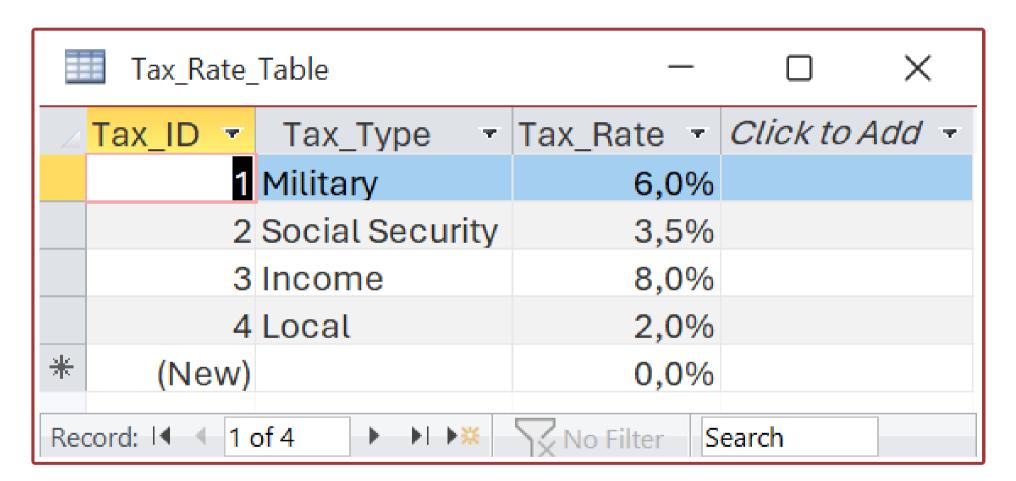
# PREVIEW

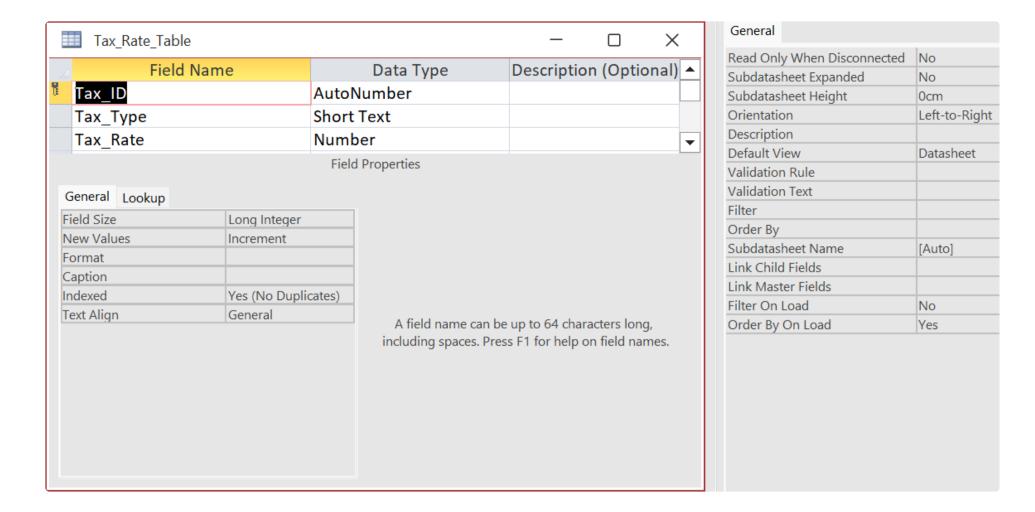




Tax Rate Table

PREVIEW

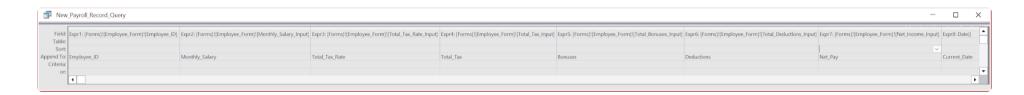




#### Запити

**New Payroll Record Query** 

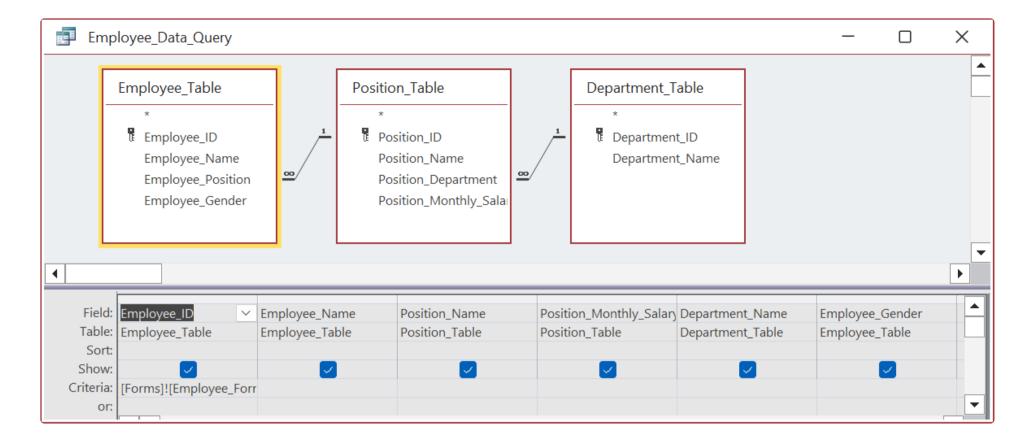
#### **DESIGNER**



SQL

```
INSERT INTO Payroll_Table (
  Employee_ID,
 Monthly_Salary,
 Total_Tax_Rate,
 Total_Tax,
  Bonuses,
  Deductions,
  Net_Pay,
  [Current_Date]
SELECT [Forms]![Employee_Form]![Employee_ID] AS Expr1,
  [Forms]![Employee_Form]![Monthly_Salary_Input] AS Expr2,
  [Forms]![Employee_Form]![Total_Tax_Rate_Input] AS Expr3,
  [Forms]![Employee_Form]![Total_Tax_Input] AS Expr4,
  [Forms]![Employee_Form]![Total_Bonuses_Input] AS Expr5,
  [Forms]![Employee_Form]![Total_Deductions_Input] AS Expr6,
  [Forms]![Employee_Form]![Net_Income_Input] AS Expr7,
  Date() AS Expr8;
```

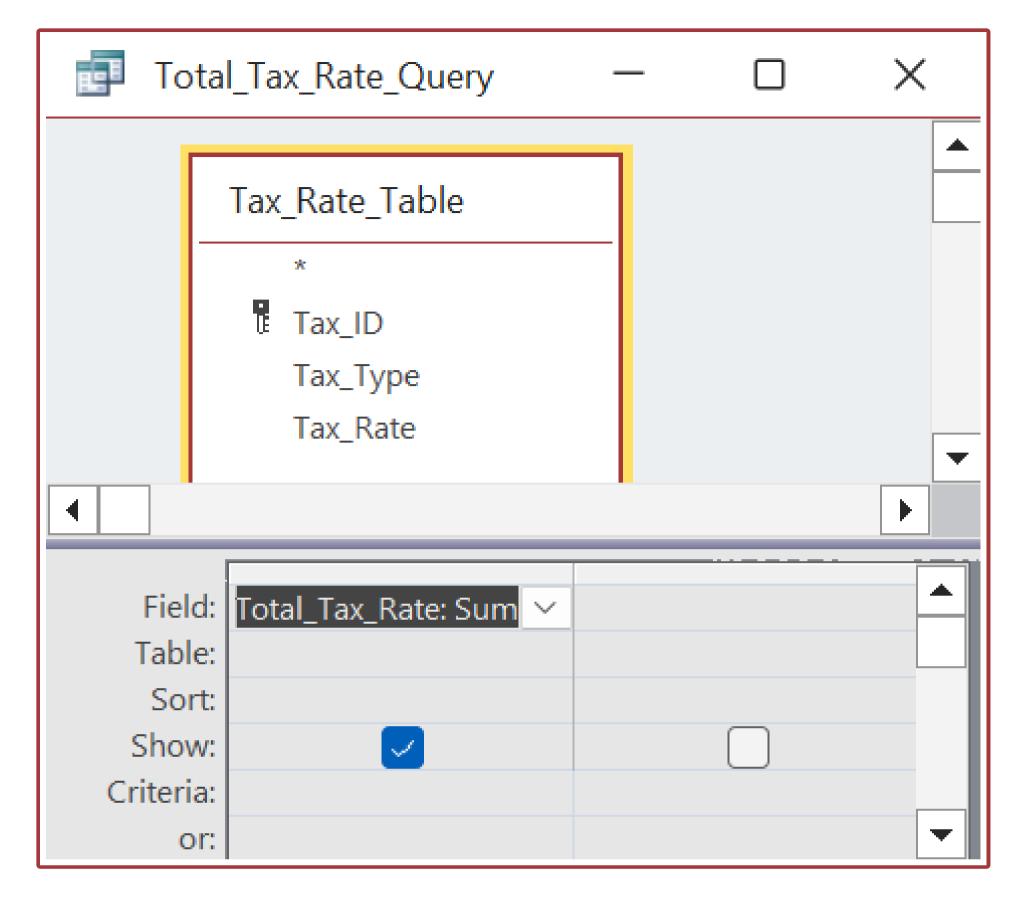
**Employee Data Query** 



SQL

```
SELECT Employee_Table.Employee_ID,
   Employee_Table.Employee_Name,
   Position_Table.Position_Name,
   Position_Table.Position_Monthly_Salary,
   Department_Table.Department_Name,
   Employee_Table.Employee_Gender
FROM (Department_Table
   INNER JOIN Position_Table
   ON Department_Table.Department_ID = Position_Table.Position_Department)
   INNER JOIN Employee_Table
   ON Position_Table.Position_ID = Employee_Table.Employee_Position
WHERE (Employee_Table.Employee_ID) = [Forms]![Employee_ID_Input];
```

Total Tax Rate Query



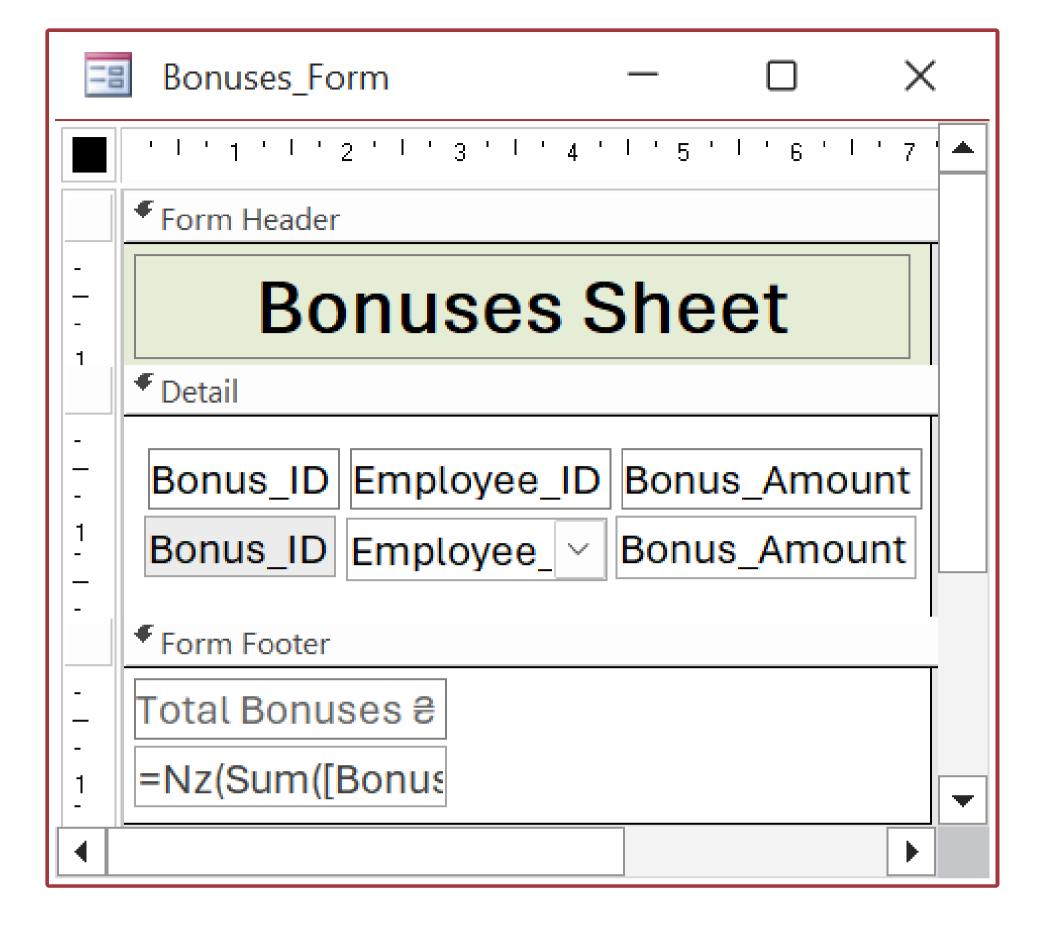
SQL

```
SELECT Sum([Tax_Rate]) AS Total_Tax_Rate
FROM Tax_Rate_Table;
```

Форми

**Bonuses Form** 

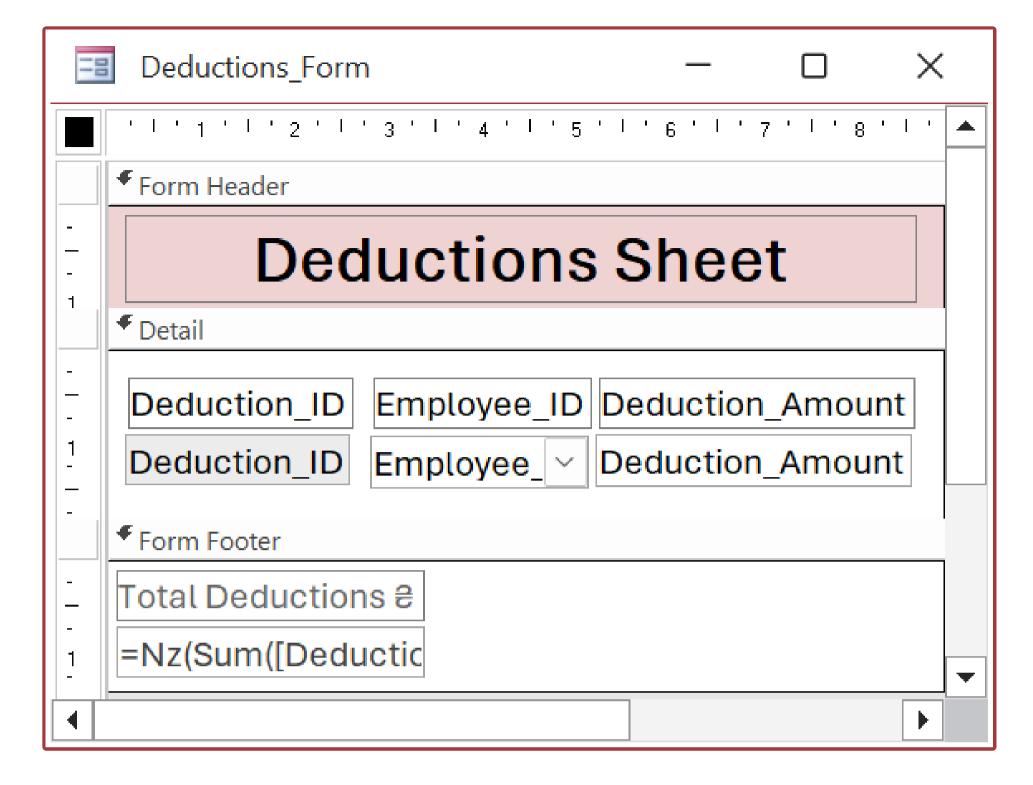
Ξ	Bonuses_Sh	_		×		
	Bonus_ID -	Employee_ID	Ŧ	Bonus	_Amo	unt 🔻
		Abraham				700 €
	2	Ruth			12	9 00 €
	3			10	900 응	
	4	Solomon		7	7777	77 €
	É	Adam			16	900€
	(	Adam			12	200 응
	-	<sup>7</sup> Adam				77 €
	3	Daniel				77 €
	Ç	Jacob				77 €
	10	Micah				77 €
*	(New					0 €



**Deductions Form** 

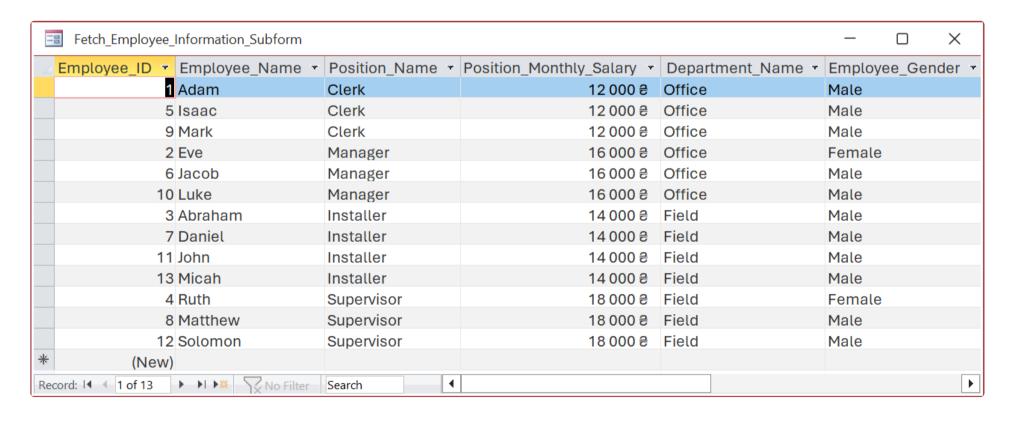
PREVIEW

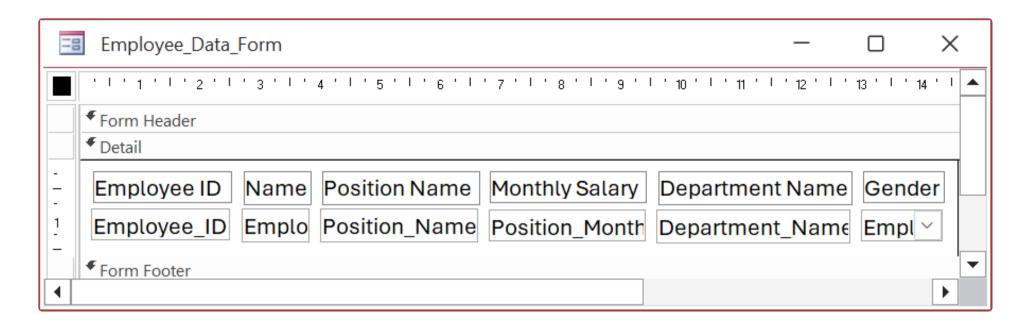
■ Deductions_Sheet	_		×		
∠ Deduction_ID ¬	Employee_ID	<b>T</b>	Deduction	n_Am	ount -
1	Adam				20 €
2	Ruth				400 €
3	Micah				7 €
* (New)					0 ⊖



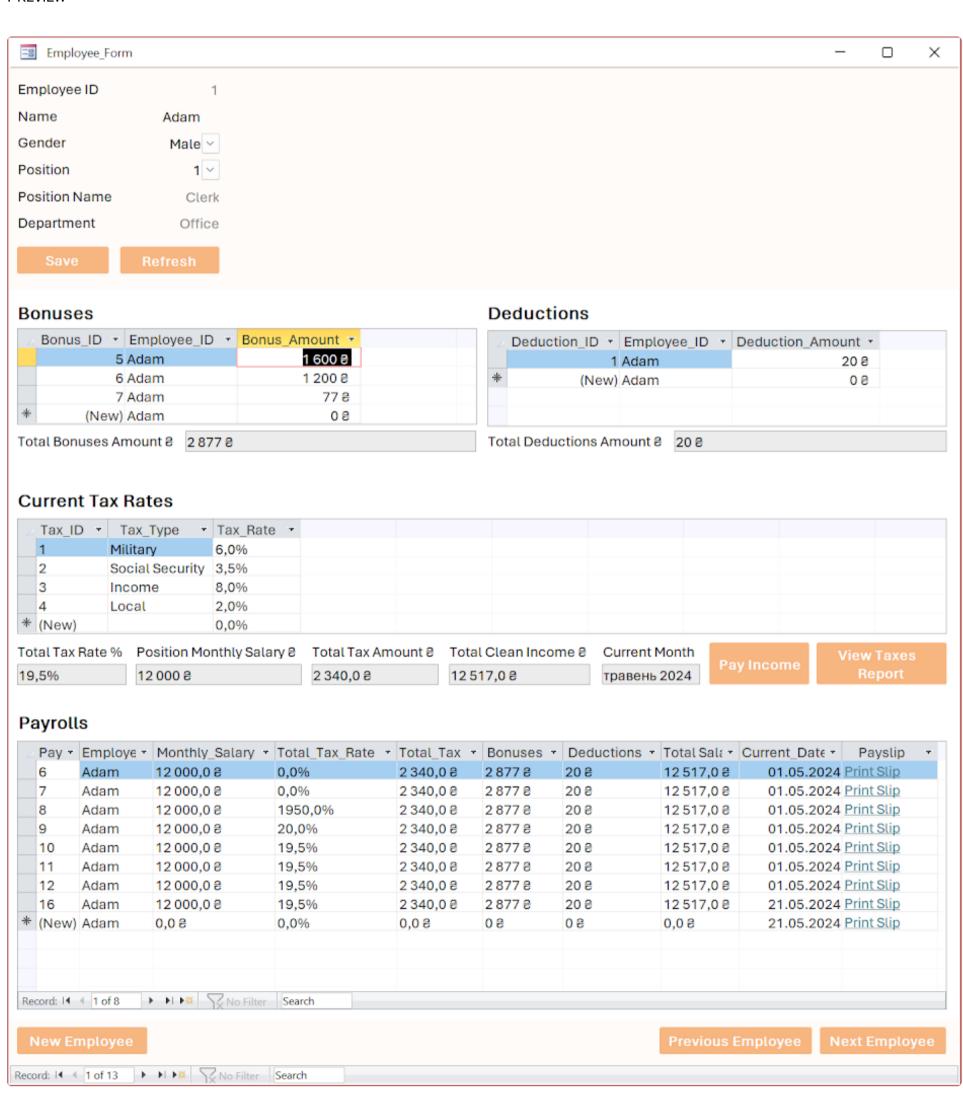
**Employee Data Form** 

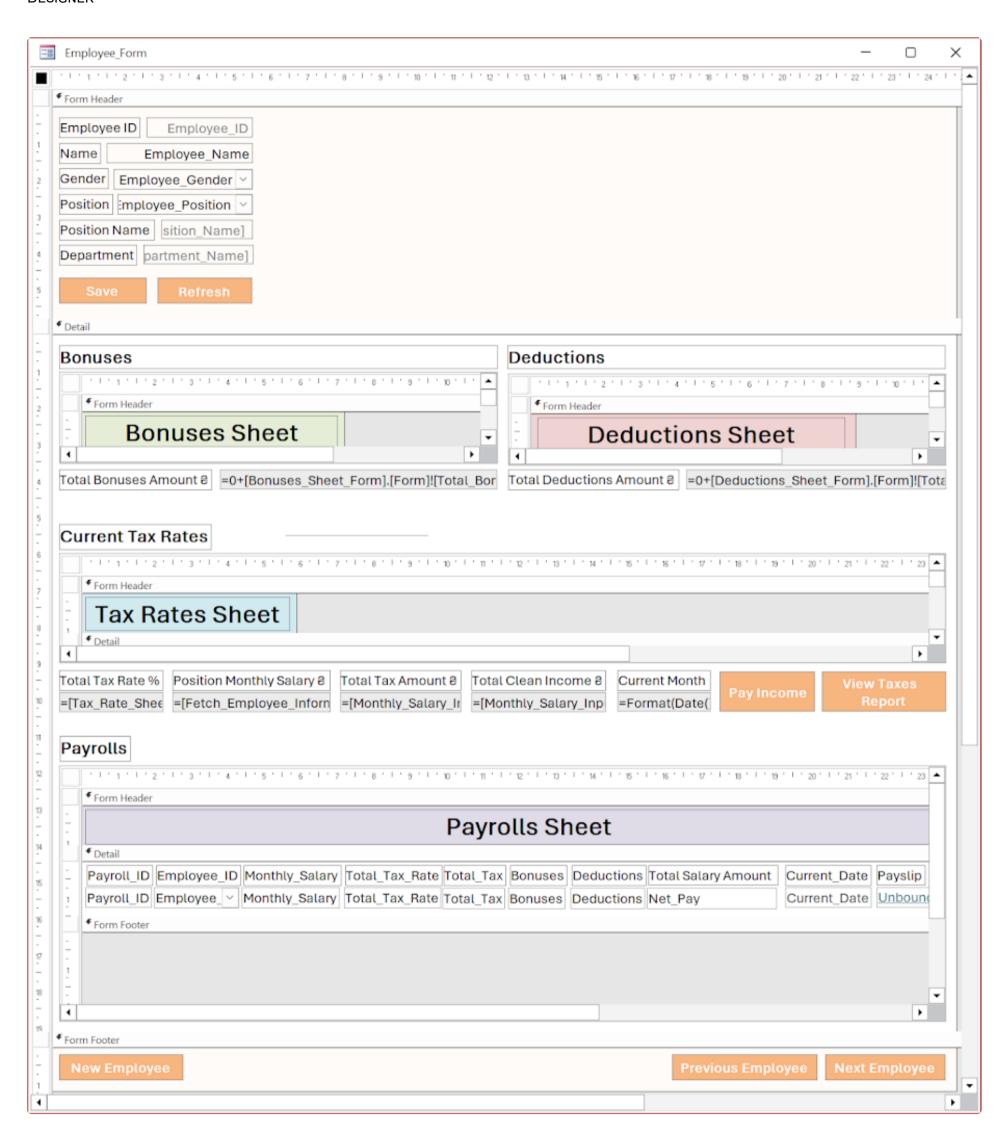
**PREVIEW** 





#### **Employee Form**





Menu Form





×

# Employees

Payrolls

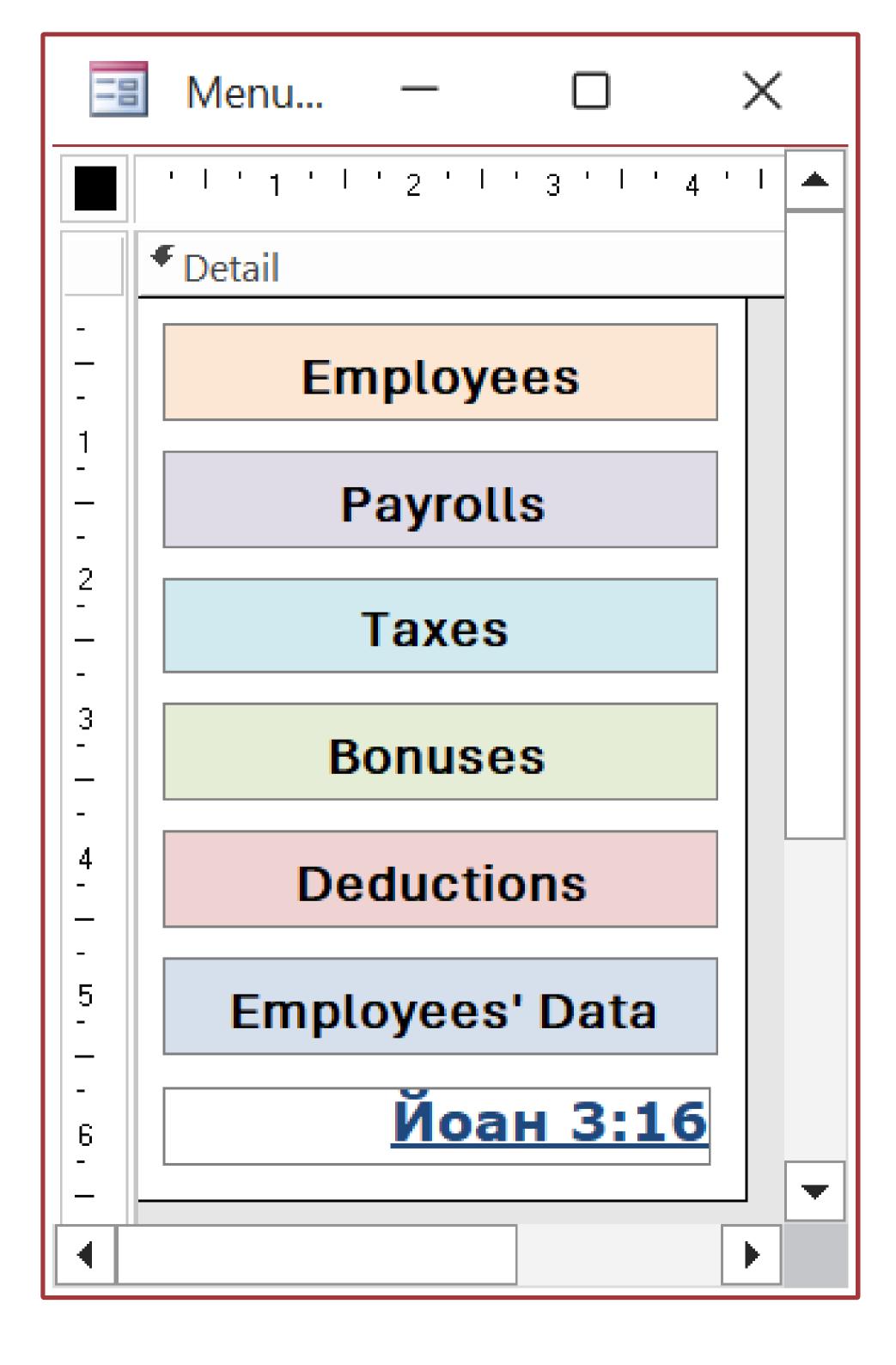
Taxes

Bonuses

Deductions

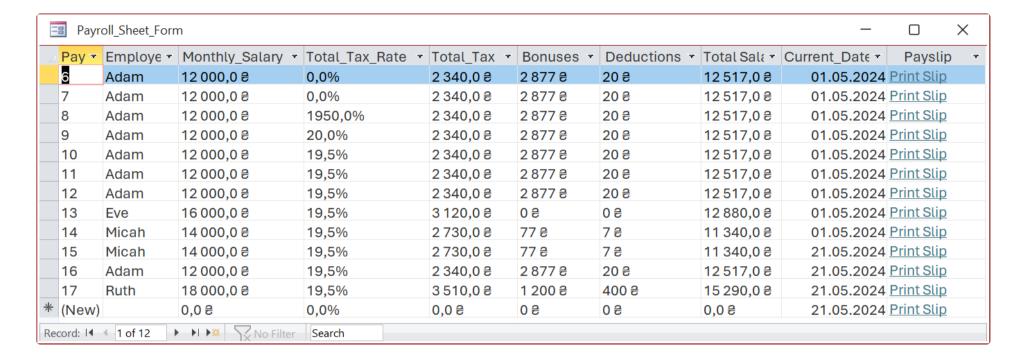
Employees' Data

<u>Йоан 3:16</u>

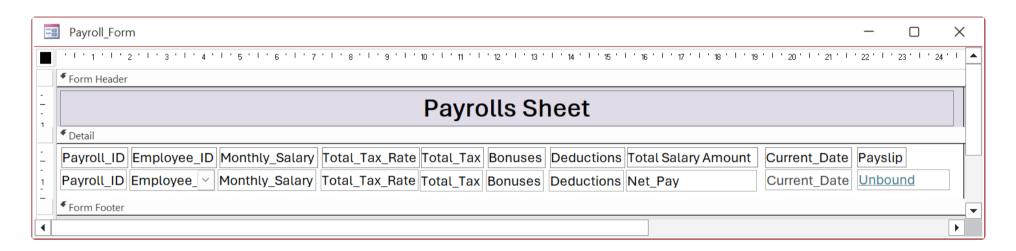


#### Payroll Form

#### **PREVIEW**



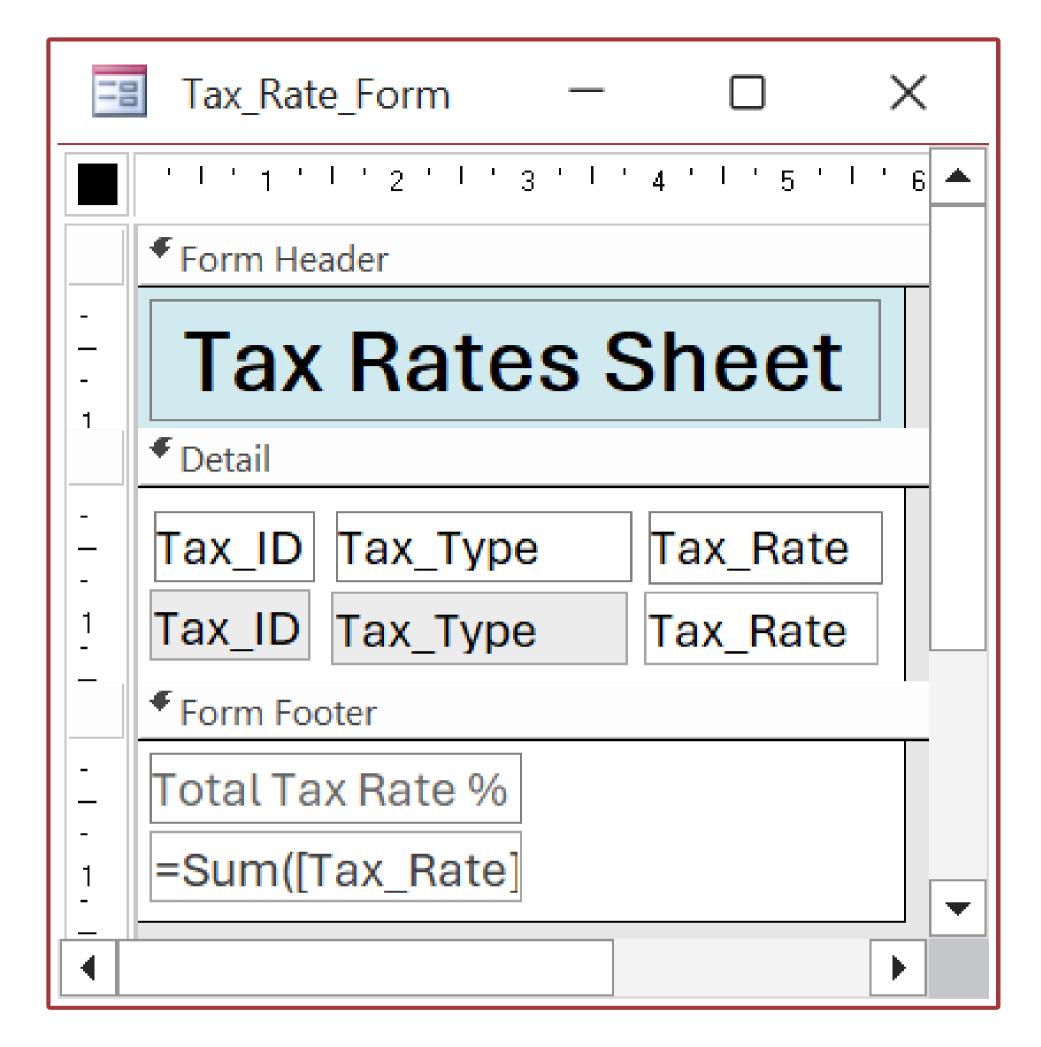
# DESIGNER



# Tax Rate Form

# **PREVIEW**

Ξ	Tax_Rate_9	Sheet_For —	
4	Tax_ID -	Tax_Type -	Tax_Rate -
	1	Military	6,0%
	2	Social Security	3,5%
	3	Income	8,0%
	4	Local	2,0%
*	(New)		0,0%

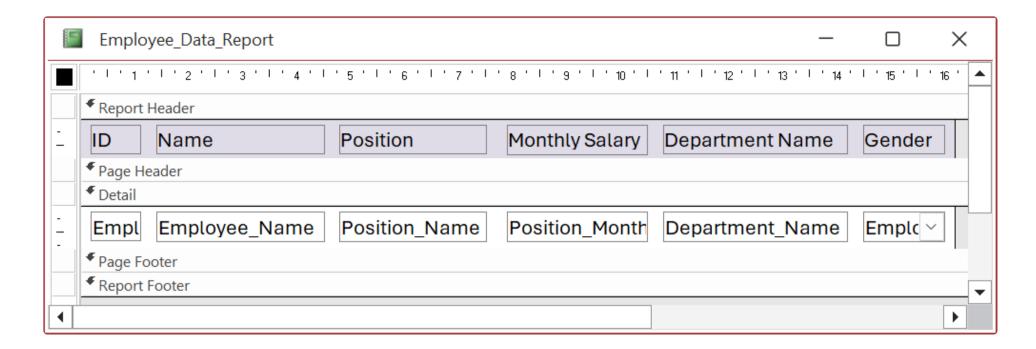


Звіти

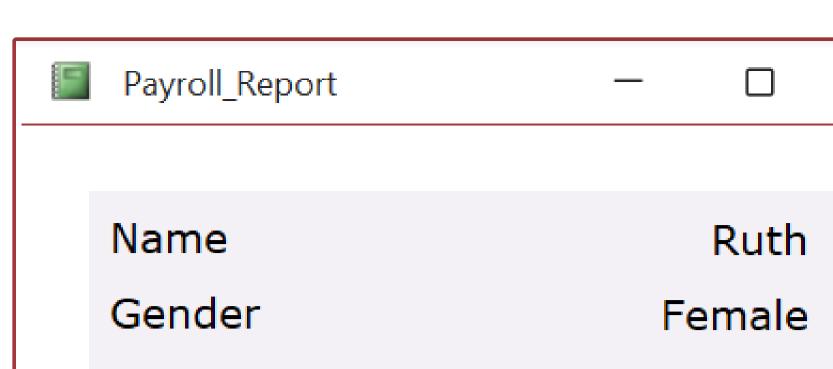
**Employee Data Report** 

**PREVIEW** 





Payroll Report



Position Supervisor

Department Field

Monthly Pay 18 000,0 ≥

Tax Rate 19,5%

Tax 3 510,0 ≥

Bonuses 1 200 €

Deductions 400 €

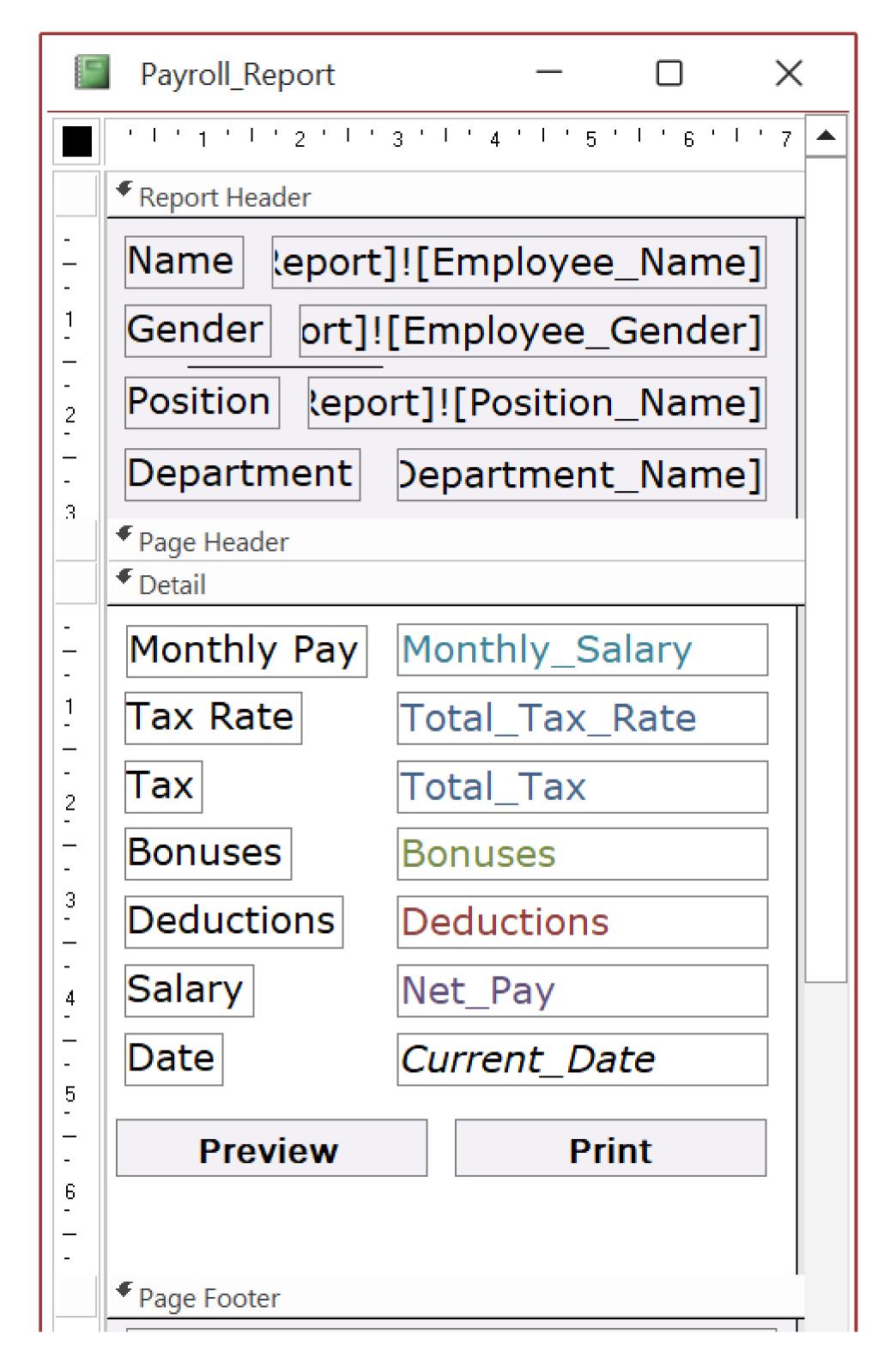
Salary 15 290,0 ≥

Date 21.05.2024

Preview Print

Page 1 of 1

X



	Page " & [Page] & " of " & [Pages]	
	Report Footer	$\blacksquare$
•		

Tax Rate Report



Type Social Security

6,0%

Rate 3,5%

Rate

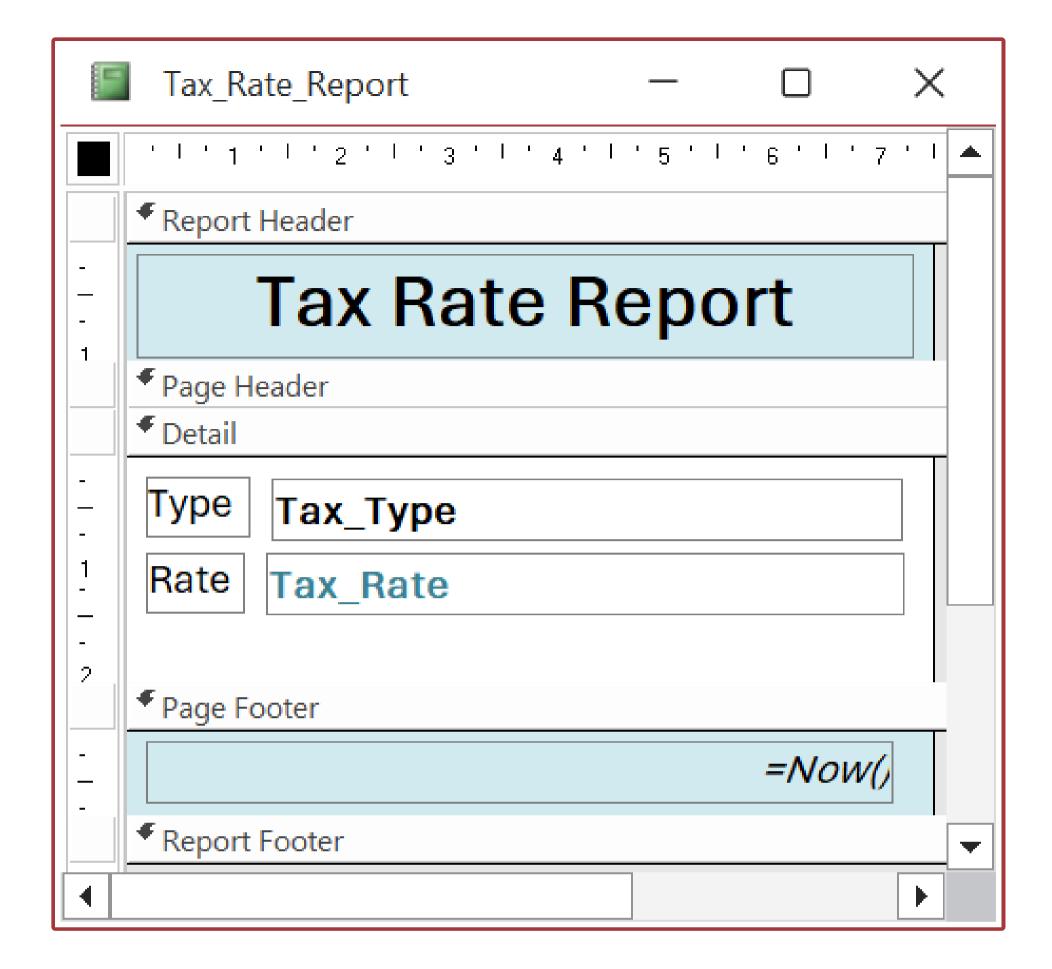
Type Income

Rate 8,0%

Type Local

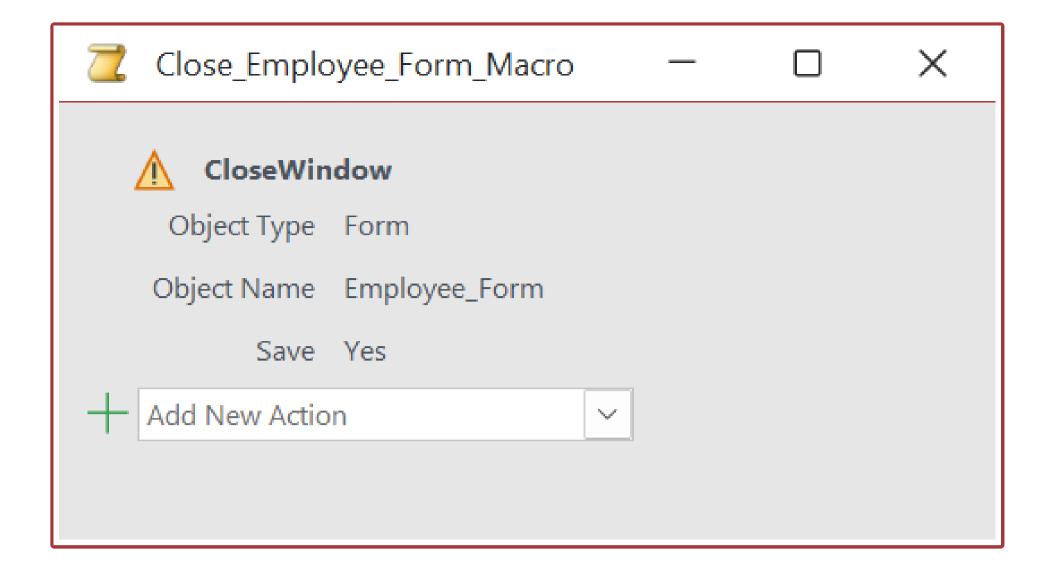
Rate 2,0%

21 травня 2024 р.

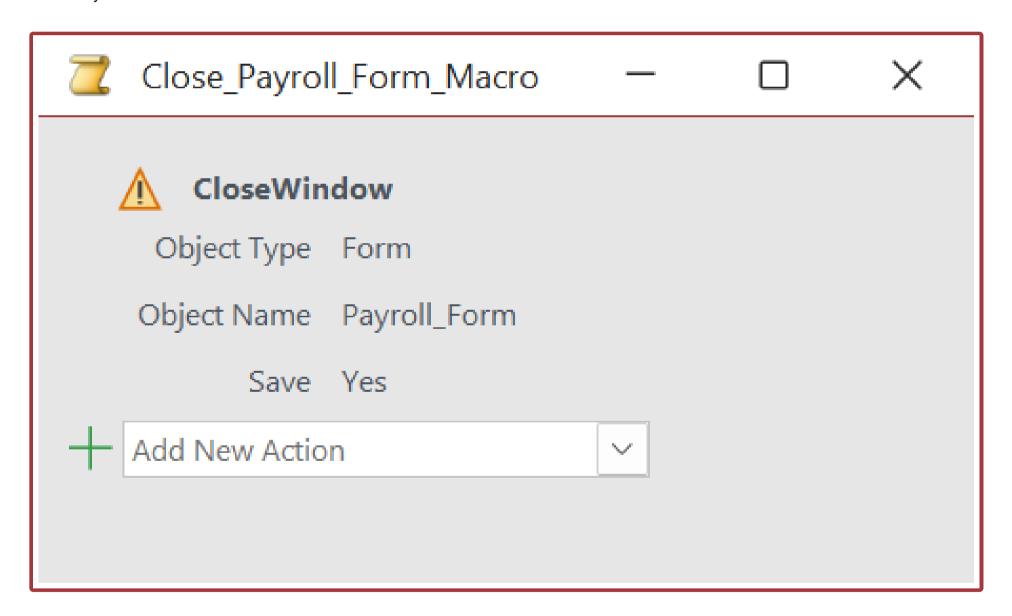


Макроси

Close Employee Form Macro



Close Payroll Form Macro



Close Payroll Report Macro

