

Day 4 – Final Assessment – Expense Claims and Analysis

Create the following classes

Expense

1. Constructor with expense category and budget amount
2. Declare three instance variables – Category (String), Budget Amount (double) and Expense Amount (double)
3. Create the getters and setters for the instance variables

Employee

1. Constructor with name and department
2. Declare four instance variables - Employee Name (String) , Department (String), Salary (double) and Expense (Expense)
3. Create the getters and setters for the instance variables

EmployeesExpense

1. Get the number of expense categories
2. Get the details of expense categories
3. Get the number of employees
4. Get the details of employee
5. Get the employees' expenses per category
6. Calculate the savings. Savings = Salary – sum of all expenses
7. Print the details as specified in the sample output

Sample Input

```
No of Categories : 2
Enter the details of expense category 1
Category - Education
Budget - 400
Enter the details of expense category 2
Category - Entertainment
Budget - 300
=====
No of Employees : 2
Enter the details of employee 1
Name - John
Department - Sales
Salary - 3000
Expense Amount for the category Education - 200
Expense Amount for the category Entertainment - 400
Enter the details of employee 2
Name - Peter
Department - IT
Salary - 4000
Expense Amount for the category Education - 600
Expense Amount for the category Entertainment - 200
=====
```

Sample Output

John		Sales	3000.00
Education	400.00	600.00	Above
Entertainment	300.00	200.00	Below

Above Budget = 1 categories

Below Budget = 1 categories

Savings = 2200.00

Peter		IT	4000.00
Education	400.00	600.00	Above
Entertainment	300.00	200.00	Below

Above Budget = 1 categories

Below Budget = 1 categories

Savings = 3200.00

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