

# BUDGET TRACKER

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JAVA PRESENTATION BY:

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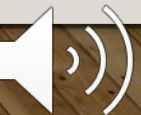


# OBJECTIVE

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## *Budget Tracker*

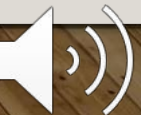
- We will be creating an application whose goal is to work as a budget tracker. Our application's purpose will be to take in the user's input in two primary categories. One side includes the negative costs such as expenses, recurring costs, etc., and its opposite, a positive category, for positive revenue which includes the household income. It should then summarize the inputs and return the end results to the user. We will also add functions to let the user input these items over any period of time to better tailor the information that they need to calculate.



# PREPARATIONS:

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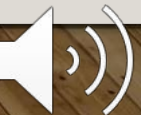
- `import java.util.Scanner;`
- `public class budgetTracker`
- `{`
- `public static void main(String [] args)`
- `{`
- `Scanner scan = new Scanner(System.in);`



# INTRODUCTION:

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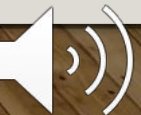
- `System.out.println();`
- `System.out.println("Welcome to our budget tracking calculator!");`
- `System.out.println("For any of the questions that do not spend or recieve any amount, please input 0.");`
- `System.out.println();`
- `System.out.println("For what month would you like tracked?");`
- `String month = scan.nextLine();`



# INCOME SECTION:

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- `System.out.println();`
- `System.out.println("Income Section:");`
- `System.out.println("Please enter total net household income from working, after tax: ");`
- `Double income = scan.nextDouble();`
- `System.out.println("Please enter any recurring income obtained from renting out your properties, if any:");`
- `Double recurring = scan.nextDouble();`





# INCOME SECTION (CONT:)

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- `System.out.println("Please enter any income given/gifted to you during this time, if any:");`
- `Double gift = scan.nextDouble();`
- `System.out.println("Please enter the amount you wish to spend from any savings reserves, etc. accounts, if any:");`
- `Double savings = scan.nextDouble();`
- `System.out.println("Please enter any other income you may have:");`
- `Double others = scan.nextDouble();`
- `Double totalIncome = income + recurring + gift + savings + others;`
- `System.out.println("Your Total Income this month is: $" + totalIncome);`



# ESSENTIAL EXPENSES:

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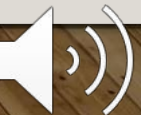
- `System.out.println();`
- `System.out.println("Essential Expenses Section:");`
- `System.out.println();`
- `System.out.println("Please enter the amount spent on rent, mortgage, lease for housing expenses:");`
- `Double housing = scan.nextDouble();`
- `System.out.println("Please enter the estimated amount paid to costs associated with transportation; car payments, gasoline, av maintenance, bus/train fair:");`
- `Double transportation = scan.nextDouble();`
- `System.out.println("If you have insurance, please enter the cost per month");`
- `Double insurance = scan.nextDouble();`



# ESSENTIAL EXPENSES (CONT):

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- `System.out.println("Enter the amount paid towards utilities this month, this includes gas, electricity, water, internet, etc:");`
- `Double utilities = scan.nextDouble();`
- `System.out.println("Enter the cost of your mobile phone service bill:");`
- `Double cell = scan.nextDouble();`
- `System.out.println("Please input the estimated cost of all groceries/food expenses this month:");`
- `Double food = scan.nextDouble();`
- `Double totalExpenses = housing + transportation + insurance + utilities + cell + food;`
- `System.out.println("Your Total for Essential Expenses this month is: $" + totalExpenses);`





# PERSONAL / OTHER COSTS:

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- `System.out.println();`
- `System.out.println("Personal/Other Costs: ");`
- `System.out.println();`
- `System.out.println("Please enter how much spent on entertainment/dining out this month: ");`
- `Double entertainment = scan.nextDouble();`
- `System.out.println("Please enter how much spent on materialistic items/goods this month; e.x. clothing, personal care, household items, etc: ");`
- `Double personal = scan.nextDouble();`
- `System.out.println("Please enter how much spent on social activities this month: ");`
- `Double social = scan.nextDouble();`
- `Double totalOther = entertainment + personal + social;`
- `System.out.println("Your Total for Personal Costs this month is $" + social);()`



# SUMMARY:

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- Double totalNet = totalIncome - totalExpenses - totalOther;
- System.out.println();
- System.out.println("Calculating.....");
- System.out.println("Completed!");
- System.out.println();
- System.out.println("Here are the results:");



# CONCLUSION:

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- `if ( totalIncome < totalExpenses + totalOther){`
- `System.out.println("You spent $" + Math.abs(totalNet) + " over what you made for the month of " + month + " Please learn to save more. :( ");`
- `} else {`
- `System.out.println("You saved $" + totalNet + " for the month of " + month + "! Keep it up! :) ");`
- `}`

