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BSIT 2 - 1

Object Oriented Programming

```
import java.util.Scanner;

public class ExpenseTrackerJavier {

    public static void displayHeader() {

        System.out.println("=====&&=====");

        System.out.println("          PERSONAL EXPENSE TRACKER          ");

        System.out.println("=====&&=====");

    }

    public static double computeTotal(double food, double transpo, double
entertainment, double others) {

        return food + transpo + entertainment + others;

    }

    public static String evaluateBudget(double total, double budget) {

        if (total > budget) {

            return "Warning!! You exceeded your budget by P" + (total -
budget) + "!";

        } else if (total == budget) {
```



```
        return "You hit your exact budget limit. Be careful!";

    } else {

        return "Great job! You stayed within your budget.";

    }

}

    public static void showReport(String name, double total, double
budget, String statusMsg) {

        System.out.println("\n--- Expense Report for " + name + " ---");

        System.out.println("Total Expenses: P" + total);

        System.out.println("Remaining Budget: P" + (budget - total));

        System.out.println(statusMsg);

        System.out.println("++++");

    }

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        displayHeader();

        System.out.print("Enter your first name: ");

        String userName = input.nextLine();
```



```
System.out.print("Enter your target budget: P");

double budget = input.nextDouble();

System.out.println("\n=== Enter Your Expenses ===");

System.out.print("Food: P");

double food = input.nextDouble();

System.out.print("Transportation: P");

double transpo = input.nextDouble();

System.out.print("Entertainment: P");

double entertainment = input.nextDouble();

System.out.print("Other expenses: P");

double others = input.nextDouble();

    double totalSpent = computeTotal(food, transpo, entertainment,
others);

String budgetStatus = evaluateBudget(totalSpent, budget);

showReport(userName, totalSpent, budget, budgetStatus);
```



```
input.close();  
  
}  
  
}
```

Output:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Z/OS CONSOLE  
(base) PS C:\Users\Vincent\VS Codes\OOP Codes> cd "c:\Users\Vincent\VS Codes\OOP Codes\" ; if ($?) { javac ExpenseTrackerJavier.java } ; if ($?) { java ExpenseTrackerJavier }  
Enter your target budget: P100  
  
=== Enter Your Expenses ===  
Food: P41  
Transportation: P41  
Entertainment: P1  
Other expenses: P1  
  
--- Expense Report for vicent ---  
Total Expenses: P84.0  
Remaining Budget: P16.0  
Great job! You stayed within your budget.  
+++++  
© (base) PS C:\Users\Vincent\VS Codes\OOP Codes> |
```