

Task:

Create the pseudocode and the flow chart for the following task:

Task: A sales representative that has been employed for at least two years, and has annual sales in excess of \$50,000 is classified as Level 2, while employees

not meeting both of these criteria, are classified as Level 1.

Description: Notice that there are only two final results, but you must ask two questions, and both of them must be true to award Level 2 to the sales rep.

Part 1: Write pseudocode that includes the following requirements:

- Steps should be sequentially numbered.
- The user begins at Step 1 and must eventually stop at the last step called "End".

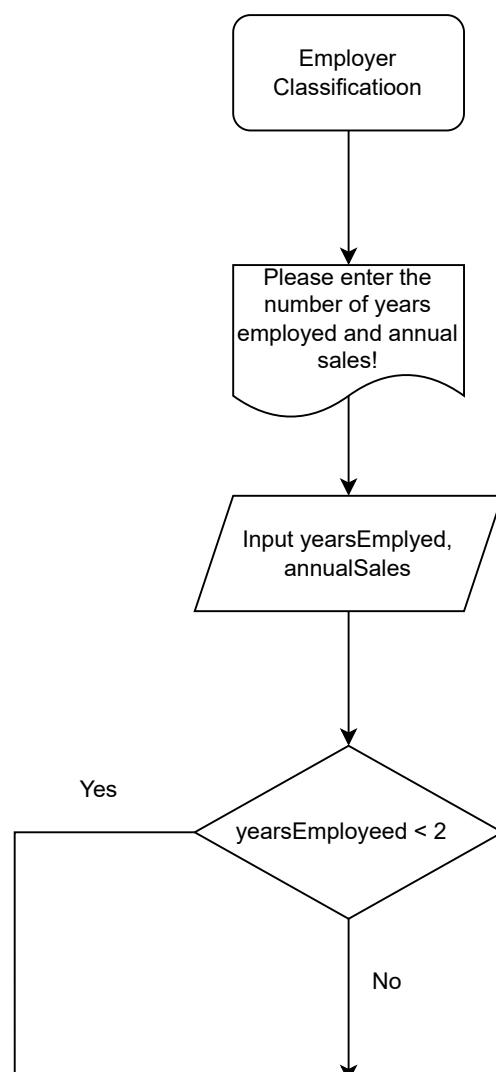
Part 2: Draw the flow chart to solve this problem. Processing should begin at a "Start" oval and terminate at an "End" oval.

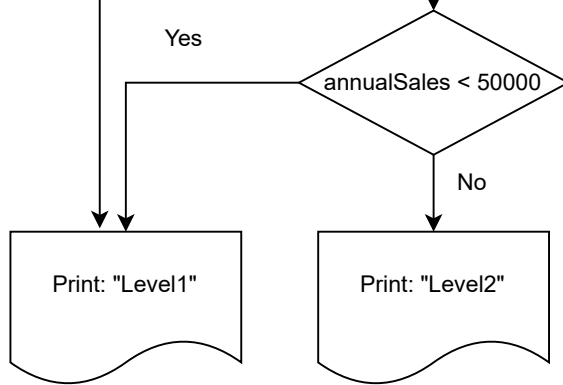
Test Results: Test your results. Walk through the code to make sure that only a sales

rep. with at least two years of service is classified as Level 2.

Pseudocode:

1. Start
2. Display message: "Please enter the number of years employed:"
3. Read input from the user and store it in a variable, e.g., yearsEmployed.
4. Display message: "Please enter the annual sales amount:"
5. Read input from the user and store it in a variable, e.g., annualSales.
6. If yearsEmployed is greater than or equal to 2 AND annualSales is greater than \$50,000, then:
7. Display message: "Level 2"
8. Else:
9. Display message: "Level 1"
10. End





Python:

```

def main():
    print("Please enter the number of years
employed:")
    yearsEmployed = int(input())
    print("Please enter the annual sales amount:")
    annualSales = float(input())
    if yearsEmployed >= 2 and annualSales >
50000:
        print("Level 2")
    else:
        print("Level 1")

if __name__ == "__main__":
    main()
  
```

Java:

```

import java.util.Scanner;

public class SalesRepClassification {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Please enter the number of years
employed:");
        int yearsEmployed = scanner.nextInt();
        System.out.println("Please enter the annual sales amount:");
        double annualSales = scanner.nextDouble();
        if (yearsEmployed >= 2 && annualSales > 50000) {
            System.out.println("Level 2");
        } else {
            System.out.println("Level 1");
        }

        scanner.close();
    }
}
  
```