First Problem

I need help answering the following questions. I tried to do this in Java but I couldn’t get it to execute.

int numValue = 10;  
int answer = 0;  
switch(numValue)  
{  
  
 case 5: answer += 5;  
 case 10: answer += 10;  
 case 15: answer += 15;  
 break;  
 case 20: answer += 20;  
 case 25: answer += 25;  
 default: answer = 0;  
 break;   
}   
System.out.println("Answer: " + answer);

* What is the value of answer if the value of numValue is 10?
* What is the value of answer if the value of numValue is 20?
* What is the value of answer if the value of numValue is 5?
* What is the value of answer if the value of numValue is 17?
* Is the break statement in the default case needed? Explain?

**Second Problem** – need assistance with the area highlighted in yellow. Design the logic and write the rest of the program using a nested statement. They are using JOptionPane.showInputDialog.

Productivity Score Bonus

<= 30 $25

31-79 $50

80-199 $100

>=200 $200

// EmployeeBonus.java - This program calculates an employee's productivity bonus.

import javax.swing.\*;  
  
public class EmployeeBonus   
{  
 public static void main(String args[])  
 {  
 // Declare and initialize variables here.  
 String employeeName;   
 double numTransactions;   
 String transactString;  
 double numShifts;   
 String shiftString;  
 double dollarValue;  
 String dollarString;  
 double score;  
 double bonus;  
 final double BONUS\_1 = 25.00;  
 final double BONUS\_2 = 50.00;  
 final double BONUS\_3 = 100.00;   
 final double BONUS\_4 = 200.00;  
   
 // This is the work done in the housekeeping() method  
 employeeName = JOptionPane.showInputDialog("Enter employee's name: ");  
 shiftString = JOptionPane.showInputDialog("Enter number of shifts: ");  
 transactString = JOptionPane.showInputDialog("Enter number of transactions: ");  
 dollarString = JOptionPane.showInputDialog("Enter transactions dollar value: ");

numShifts = Double.parseDouble(shiftString);  
 numTransactions = Double.parseDouble(transactString);  
 dollarValue = Double.parseDouble(dollarString);

// This is the work done in the detailLoop() method

// Write your code here (Design the logic and write the rest of the program  
 //using a nested if statement.

// This is the work done in the endOfJob() method   
 // Output.   
 System.out.println("Employee Name: " + employeeName);  
 System.out.println("Employee Bonus: $" + bonus);  
  
 System.exit(0);  
 }  
}