

Problem #1 Design

1. Create and initialize an integer variable named iProdNum
2. Create and initialize an integer variable named iQty
3. Create and initialize a double variable named dTotalCost
4. Ask the user to select a product number
5. Get the user's choice and store in iProdNum
6. Ask the user to enter the number sold
7. Get the user's choice and store in iQty
8. Start a switch statement on product number
9. Multiply iQty by the cost of the products (Based on iProdNum) and store in dTotalCost
10. Display dTotalCost with 2 decimals (you will need fixed and setprecision)

Problem #2 Design

1. Create and initialize an integer variable name iEmpType
2. Create and initialize a double variable named dHoursWorked
3. Create and initialize a double variable named dHourlyPay
4. Create and initialize a double variable named dGrossPay
5. Create and initialize a double variable named dTotalSales
6. Create and initialize an integer variable named iNumCreated
7. Ask the user to enter the employee type
8. Get the user's choice and store in iEmpType
9. If iEmpType = 1
 - a. Ask the user to enter salary
 - b. Store in dGrossPay
10. If iEmpType = 2
 - a. Ask the user to enter the hourly pay
 - b. Store in dHourlyPay
 - c. Ask the user to enter the hours worked
 - d. Store in dHoursWorked
 - e. If dHoursWorked > 40
 - i. $dGrossPay = (dHourlyPay * 40) + (dHourlyPay * 1.5 * dHoursWorked - 40)$
 - f. else
 - i. $dGrossPay = dHourlyPay * dHoursWorked$
11. If iEmpType = 3
 - a. Ask the user to enter sales
 - b. Get the sales and store in dTotalSales
 - c. $dGrossPay = 250 + (dTotalSales * .057)$
12. If iEmpType = 4
 - a. Ask the user to enter the number of items created
 - b. Store in iNumCreated
 - c. Ask the user to enter the pay per item
 - d. Store in dHourlyPay
 - e. $dGrossPay = dHourlyPay * iNumCreate$
13. Display dGrossPay with 2 decimals (use fixed and setprecision)