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// CASINO PROJECT - PHASE 1
// by Robert Laurie
import javax.swing.*;
import java.text.*;
public class CasinoPhase1
{
    public static void main(String[] args)
    {
        String sTitle, sMsg, sEntry;
        int nI, nReceiptTtl, nWinnings;
        int nBlack, nBlue, nRed, nGreen, nGold, nChipTtl;
        DecimalFormat oDlr = new DecimalFormat("$ #,##0");

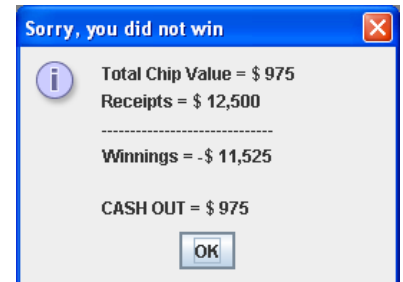
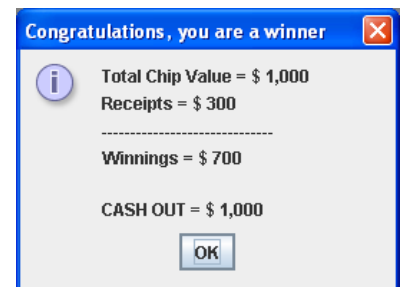
        JOptionPane.showMessageDialog(null,
            "Welcome to the Chip Counter Program - Phase 1.\n"
            + "Created for the Dynasty Casino by Bob Laurie");

        // Receipt Counting
        sEntry = JOptionPane.showInputDialog(null,
            "Enter amount for receipts: ");
        nReceiptTtl = Integer.parseInt(sEntry);

        // Chip Counting
        sEntry = JOptionPane.showInputDialog(null,
            "Enter black chips quantity:");
        nBlack = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter blue chips quantity:");
        nBlue = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter red chips quantity:");
        nRed = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter green chips quantity:");
        nGreen = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter gold chips quantity:");
        nGold = Integer.parseInt(sEntry);
        nChipTtl = nBlack*5 + nBlue*20 + nRed*50
            + nGreen*100 + nGold*500;

        // Results
        if(nChipTtl > nReceiptTtl)
            sTitle = "Congratulations, you are a winner";
        else
            sTitle = "Sorry, you did not win";
        sMsg = "Total Chip Value = " + oDlr.format(nChipTtl)
            + "\nReceipts = " + oDlr.format(nReceiptTtl)
            + "\n-----"
            + "\nWinnings = " + oDlr.format(nChipTtl-nReceiptTtl)
            + "\n\nCASH OUT = " + oDlr.format(nChipTtl);
        JOptionPane.showMessageDialog(null, sMsg, sTitle,
            JOptionPane.INFORMATION_MESSAGE);
        System.exit(0);
    }
}

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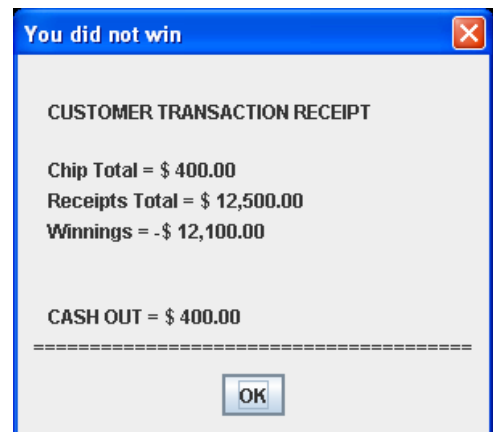
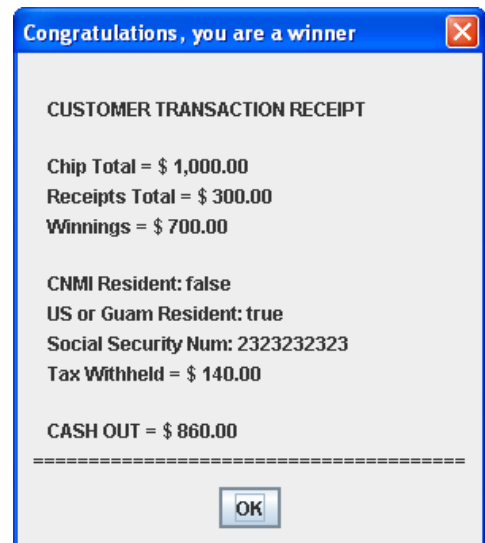
// CASINO PROJECT - Phase 2
// by Robert Laurie
import javax.swing.*;
import java.text.*;
public class CasinoPhase2
{
    public static void main(String[] args)
    {
        String sTitle, sMsg, sEntry, sSSN = "";
        double dTax = 0, dCashOut;
        int nI, nYorN, nReceiptTtl, nWinnings;
        int nBlack, nBlue, nRed, nGreen, nGold, nChipTtl;
        boolean bUS = false, bCNMI = false;
        DecimalFormat oDlr = new DecimalFormat("$ #,##0.00");

        JOptionPane.showMessageDialog(null,
            "Welcome to the Chip Counter Program - Phase 2.\n"
            + "Created for the Dynasty Casino by Bob Laurie");

        // Receipt Counting
        sEntry = JOptionPane.showInputDialog(null,
            "Enter amount for receipts: ");
        nReceiptTtl = Integer.parseInt(sEntry);

        // Chip Counting
        sEntry = JOptionPane.showInputDialog(null,
            "Enter black chips quantity:");
        nBlack = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter blue chips quantity:");
        nBlue = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter red chips quantity:");
        nRed = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter green chips quantity:");
        nGreen = Integer.parseInt(sEntry);
        sEntry = JOptionPane.showInputDialog(null,
            "Enter gold chips quantity:");
        nGold = Integer.parseInt(sEntry);
        nChipTtl = nBlack*5 + nBlue*20 + nRed*50
            + nGreen*100 + nGold*500;
    }
}

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// Results Computations
nWinnings = nChipTtl - nReceiptTtl;
if (nWinnings <= 0)
    sTitle = "You did not win";
else
{
    sTitle = "Congratulations, you are a winner";
    nYorN = JOptionPane.showConfirmDialog(null,
        "Are you a resident of the CNMI? (y or n)",
        "You are a Winner", JOptionPane.YES_NO_OPTION);
    if(nYorN == JOptionPane.YES_OPTION)
    {
        bCNMI = true;
        dTax = nWinnings * 0.1;
    }
    else
    {
        nYorN = JOptionPane.showConfirmDialog(null,
            "Are you a resident of the USA or Guam? (y or n)",
            "You are a Winner", JOptionPane.YES_NO_OPTION);
        if(nYorN == JOptionPane.YES_OPTION)
        {
            bUS = true;
            dTax = nWinnings * 0.2;
        }
    }
    if(bUS || bCNMI) sSSN = JOptionPane.showInputDialog(null,
        "Enter Social Security Number");
}
dCashOut = nChipTtl - dTax;

// Display Summary
sMsg = "\n    CUSTOMER TRANSACTION RECEIPT\n"
    + "\n    Chip Total = " + oDlr.format(nChipTtl)
    + "\n    Receipts Total = " + oDlr.format(nReceiptTtl)
    + "\n    Winnings = " + oDlr.format(nWinnings)+"\n";
if(dTax > 0)
{
    sMsg += "\n    CNMI Resident: " + bCNMI
        + "\n    US or Guam Resident: " + bUS
        + "\n    Social Security Num: " + sSSN
        + "\n    Tax Withheld = " + oDlr.format(dTax);
}
sMsg += "\n\n    CASH OUT = " + oDlr.format(dCashOut)
    + "\n===== ";
JOptionPane.showMessageDialog(null, sMsg, sTitle,
    JOptionPane.PLAIN_MESSAGE);
System.exit(0);
}
}

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// CASINO PROJECT - Phase 3
import javax.swing.*;
import java.text.*;
import java.io.*;
public class CasinoPhase3
{
    public static void main(String[] args) throws IOException
    {
        String sTitle, sMsg, sEntry, sSSN;
        double dTax, dCashOut;
        int nI, nYorN, nReceipt, nReceiptTtl, nWinnings;
        int nBlack, nBlue, nRed, nGreen, nGold, nChipTtl;
        boolean bUS, bCNMI;
        DecimalFormat oDlr = new DecimalFormat("$ #,##0.00");
        FileWriter oFile = new FileWriter("C:/Transactions.txt", true);
        JOptionPane.showMessageDialog(null,
            "Welcome to the Chip Counter Program - Phase 3.\n"
            + "Created for the Dynasty Casino by Bob Laurie");
        do
        {
            // Customer Initialization
            nChipTtl = 0;
            dTax = 0;
            sSSN = "";
            bUS = false;
            bCNMI = false;
            // Receipt Counting
            JOptionPane.showMessageDialog(null,
                "Greet customer and ask for receipts");
            for(nI=1, nReceiptTtl=0; true; nI++)
            {
                sEntry = JOptionPane.showInputDialog(null,
                    "Enter amount for receipt " + nI + ": (Enter 0 to end)");
                nReceipt = Integer.parseInt(sEntry);
                if(nReceipt == 0) break;
                nReceiptTtl += nReceipt;
            }
            JOptionPane.showMessageDialog(null,
                "Receipt total value = $" + nReceiptTtl);
            // Chip Counting
            sEntry = JOptionPane.showInputDialog(null,
                "Enter black chips quantity:");
            nBlack = Integer.parseInt(sEntry);
            sEntry = JOptionPane.showInputDialog(null,
                "Enter blue chips quantity:");
            nBlue = Integer.parseInt(sEntry);
            sEntry = JOptionPane.showInputDialog(null,
                "Enter red chips quantity:");
            nRed = Integer.parseInt(sEntry);
            sEntry = JOptionPane.showInputDialog(null,
                "Enter green chips quantity:");
            nGreen = Integer.parseInt(sEntry);
            sEntry = JOptionPane.showInputDialog(null,
                "Enter gold chips quantity:");
            nGold = Integer.parseInt(sEntry);
            nChipTtl = nBlack*5 + nBlue*20 + nRed*50
                + nGreen*100 + nGold*500;
        }
    }
}

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JOptionPane.showMessageDialog(null,
    "Chip total value = $" + nChipTtl);
// Tax and Cash Out Computations
nWinnings = nChipTtl - nReceiptTtl;
if (nWinnings <= 0)
    sTitle = "You did not win";
else
{
    sTitle = "Congratulations, you are a winner";
    nYorN = JOptionPane.showConfirmDialog(null,
        "Are you a resident of the CNMI? (y or n)",
        "You are a Winner", JOptionPane.YES_NO_OPTION);
    if(nYorN == JOptionPane.YES_OPTION)
    {
        bCNMI = true;
        dTax = nWinnings * 0.1;
    }
    else
    {
        nYorN = JOptionPane.showConfirmDialog(null,
            "Are you a resident of the USA or Guam? (y or n)",
            "You are a Winner", JOptionPane.YES_NO_OPTION);
        if(nYorN == JOptionPane.YES_OPTION)
        {
            bUS = true;
            dTax = nWinnings * 0.2;
        }
    }
    if(bUS || bCNMI) sSSN = JOptionPane.showInputDialog(null,
        "Enter Social Security Number");
}
dCashOut = nChipTtl - dTax;
// Display Summary
sMsg = "\n    CUSTOMER TRANSACTION RECEIPT\n"
    + "\n    Chip Total = " + oDlr.format(nChipTtl)
    + "\n    Receipts Total = " + oDlr.format(nReceiptTtl)
    + "\n    Winnings = " + oDlr.format(nWinnings)+"\n";
if(dTax > 0)
{
    sMsg += "\n    CNMI Resident: " + bCNMI
        + "\n    US or Guam Resident: " + bUS
        + "\n    Social Security Num: " + sSSN
        + "\n    Tax Withheld = " + oDlr.format(dTax);
}
sMsg += "\n\n    CASH OUT = " + oDlr.format(dCashOut)
    + "\n=====";
JOptionPane.showMessageDialog(null, sMsg, sTitle,
    JOptionPane.PLAIN_MESSAGE);
oFile.write(sMsg);
nYorN = JOptionPane.showConfirmDialog(null,
    "Do wish to continue for another customer? (No = Exit)",
    "Continue or Exit", JOptionPane.YES_NO_OPTION);
}while(nYorN == JOptionPane.YES_OPTION);
oFile.close();
System.exit(0);
}
}

```