Visual Programming – Tutorial Week 2 – Source Code

Please Note: This document can be printed but not copied to Windows’ Clipboard. The reason for this is that CQU wants students who need the solutions to type in the code – rather than copy and paste it – to aid in your understanding of the material covered.

Please Note: Only look at the solutions when you have made good attempts at the questions - otherwise you will NOT learn!

Exercise 1 – a Java console application

/*
Name: Gross Pay Calculator
Programmer: Tony Dobele
Filename: GrossPayCalc.java
Purpose: This program calculates an employee's weekly gross pay, using total hours worked and hourly pay rate (input by the user).
*/

import java.io.*;

public class GrossPayCalc
{
    public static void main(String[] args)
    {
        // print prompts
        System.out.println("\tGROSS PAY CALCULATOR");
        System.out.println();
        System.out.print("\tEnter the Employee number: ");
        System.out.println();
        System.out.print("\tEnter the total hours worked this week: ");
        System.out.println();
        System.out.print("\tEnter the hourly pay rate: ");
        System.out.println();
        System.out.println();
    }
}
Exercise 2 – a Java applet

/*
Name: Gross Pay Calculator
Programmer: Tony Dobele
Filename: GrossPayCalcApplet.java
Purpose: This program calculates an employee's weekly gross pay, using total hours worked and hourly pay rate (input by the user).
*/

import java.awt.*;
import java.applet.*;

public class GrossPayCalcApplet extends Applet
{

    public void paint(Graphics g)
    {
        g.drawString("GROSS PAY CALCULATOR",50,50);

        Image logo; // declare an Image object
        // declare an Image object
        logo = getImage(getDocumentBase(), "logo.gif");

        g.drawImage(logo,50,100,this);
    }

}

<!-- Code for the web page to run the applet -->

<HTML>
<APPLET CODE = "GrossPayCalcApplet.class" WIDTH = "300" HEIGHT = "400">
</APPLET>
</HTML>