

Below is the description of the hardware features of a desktop PC:

- Intel® Core™ 2 Duo Processor E6300 (2MB L2 Cache,1.86GHz,1066)
- Genuine Windows Vista™ Home Premium
- 2 GB Dual-Channel DDR2 SDRAM (667MHz), expandable to 4 GB
- 500 GB Serial ATA Hard Drive
- DVD+RW/CD-RW Drive
- 3.5" Floppy Drive and 13-in-1 Media Reader
- Graphics card: 512MB NVIDIA GeForce 7600 GS
- Sound Blaster X-Fi™ XtremeMusic with Dolby 5.1
- Video: 1 DVI, VGA and 1 S-Video (with add-in PCI-Express video card)
- 9 USB 2.0 ports and 2 IEEE 1394 (FireWire) ports
- Integrated (10/100/1000) Gigabit Ethernet
- Expansion Slots: 3 PCI Slots, 1 PCIe x1 Slot, 1 PCIe x16 (Graphics) Slots, 1 PCIe x4/x8 Slot

1) Identify the major hardware components: CPU, Main Memory, Secondary Storage, Input Devices, Output Devices

2) Explain why computers have both main memory and secondary memory.

3) In the following event procedure, identify the following:

- keywords:
- programmer-defined-names:
- operators:
- comments/remarks:

```
Private Sub btnCalcGrossPay_Click(ByVal sender As System.Object, _
    ByVal e As System.EventArgs) Handles btnCalcGrossPay.Click

    ' Declare variables we will use in the calculations.
    Dim dblHoursWorked As Double
    Dim dblPayRate As Double
    Dim dblGrossPay As Double

    ' Get the hours worked from the TextBox control.
    dblHoursWorked = txtHoursWorked.Text

    ' Get the hourly pay rate from the TextBox control.
    dblPayRate = txtPayRate.Text

    REM Calculate the employee's gross pay.
    dblGrossPay = dblHoursWorked * dblPayRate

    ' Assign the gross pay to a Label control, with currency formatting.
    lblGrossPay.Text = dblGrossPay.ToString("c")

End Sub
```

4) A procedural algorithm for calculating gross pay would be:

```
print "Enter number of hours worked: ",
hoursWorked = input()
print "Enter hourly pay rate",
payRate = input()
grossPay = hoursWorked * payRate
print "Gross pay earned = ", grossPay
```

How does the execution order of the event-driven program differ from the procedural algorithm?

