

Most of this class was a talk by Greg Clarkin from Meditech.
He was talking about careers in computing.

Next we looked at one of this weeks assignments.

assignplay1.ppt [Compatibility Mode] - PowerPoint

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW ADD-INS STORYBOARDING

Clipboard Slides Font Paragraph Drawing Editing

1 Loop Assignment
2
3
4
5
6
7

Start

Initializing
Read a record

Not EOF

Y

Calculate profit

20.89

Set up line for report

Write line on report

Read a record

N

Stop

1111 Oak 95.89 75 20.89

Problem #1: I want to produce a report using the logic shown. The report should contain ItemNo, ItemName, Price, Cost and Profit. Profit is the difference between Price and Cost.

ItemNo	Item Name	OnHand	OnOrder	ReorderPt	Cost	Price	VendorNo
1111	Oak	5	10	50	75	95.89	123
1212	Red Maple	26	22	25	100	117.99	124
1234	Sugar Maple	45	15	50	45	65.89	123
1245	Hemlock	10	17	50	35	49.99	125
1256	Blue Spruce	10	29	25	75	110.99	127
1267	White Pine	25	50	50	35	45.75	125
1275	Black Pine	7	12	25	70	105.98	127
1290	Birch	11	0	25	80	110.75	124
2000	Dogwood	12	20	45	75	95.99	124
2012	Cherry	35	10	25	60	75.75	124
2036	Elm	50	25	25	75	90	123

Click to add notes

SLIDE 3 OF 10

NOTES COMMENTS

100%

The screenshot shows a PowerPoint presentation window with the title "assignplay1.ppt [Compatibility Mode] - PowerPoint". The ribbon includes FILE, HOME, INSERT, DESIGN, TRANSITIONS, ANIMATIONS, SLIDE SHOW, REVIEW, VIEW, ADD-INS, and STORYBOARDING. The slide content is as follows:

- Slide 1:** Loop Assignment
- Slide 2:** Data table
- Slide 3:** Flowchart
- Slide 4:** Flowchart
- Slide 5:** Flowchart
- Slide 6:** Flowchart
- Slide 7:** Notes

The main slide (Slide 4) features a flowchart with the following steps:

- Start (Oval)
- Initializing (Parallelogram)
- Read a record (Parallelogram)
- Not EOF (Diamond) - Y branch leads to process(), N branch leads to Stop (Oval)
- process() (Rectangle)
- Process (Oval)
- Calculate profit (Rectangle)
- Set up line for report (Rectangle)
- Write line on report (Parallelogram)
- Read a record (Parallelogram)
- End Process (Oval)

Blue arrows indicate a loop from the "Read a record" step back to the "process()" step, and from the "End Process" step back to the "process()" step.

Problem #2: Is there any difference in the output using the logic in problem #1 and using the logic shown here? Explain.

Click to add notes

SLIDE 4 OF 10 | NOTES | COMMENTS | 100%

assignplay1.ppt [Compatibility Mode] - PowerPoint

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW ADD-INS STORYBOARDING

Clipboard Slides Font Paragraph Drawing Editing

1 Loop Assignment
2
3
4
5
6
7

```

graph TD
    subgraph MainFlowchart
        Start([Start]) --> Init[/Initializing  
Read a record/]
        Init --> NotEOF{Not EOF}
        NotEOF -- Y --> ProcessBox[process()]
        NotEOF -- N --> Stop([Stop])
    end

    subgraph ReportFlowchart
        Process([Process]) --> OnHand{OnHand > 25}
        OnHand -- Y --> Setup[Set up line for report]
        Setup --> Write[/Write line on report/]
        OnHand -- N --> Join(( ))
        Write --> Join
        Join --> ReadRecord[/Read a record/]
        ReadRecord --> EndProcess([End Process])
    end

    Note[1212 Red Maple 26 22]
    
```

ItemNo	ItemName	OnHand	OnOrder	ReorderPt	Cost	Price	VendorNo
1111	Oak	5	10	50	75	95.89	123
1212	Red Maple	26	22	25	100	117.99	124
1234	Sugar Maple	45	15	50	45	65.89	123
1245	Hemlock	10	17	50	35	49.99	125
1256	Blue Spruce	10	29	25	75	110.99	127
1267	White Pine	25	50	50	35	45.75	125
1275	Black Pine	7	12	25	70	105.98	127
1290	Birch	11	0	25	80	110.75	124
2000	Dogwood	12	20	45	75	95.99	124
2012	Cherry	35	10	25	60	75.75	124
2036	Elm	50	25	25	75	90	123

Problem #3: Produce this report. The output should show ItemNo, ItemName, OnHand and OnOrder.

Click to add notes

SLIDE 5 OF 10

NOTES COMMENTS

100%

assignplay1.ppt [Compatibility Mode] - PowerPoint

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW ADD-INS STORYBOARDING

Clipboard Slides Font Paragraph Drawing Editing

1 Loop Assignment
2
3
4
5
6
7

Start

Initializing
Read a record

Not EOF

Y

N

process()

Stop

Problem #4: Produce this report. The output should show ItemNo, ItemName, OnHand and OnOrder.

Process

OnHand > 25

N

Y

Set up line for report

Write line on report

OnOrder > 25

N

Y

Set up line for report

Write line on report

ItemNo	ItemName	OnHand	OnOrder	ReorderPt	Cost	Price	VendorNo
1111	Oak	5	10	50	75	95.89	123
1212	Red Maple	26	22	25	100	117.99	124
1234	Sugar Maple	45	15	50	45	65.89	123
1245	Hemlock	10	17	50	35	49.99	125
1256	Blue Spruce	10	29	25	75	110.99	127
1267	White Pine	25	50	50	35	45.75	125
1275	Black Pine	7	12	25	70	105.98	127
1290	Birch	11	0	25	80	110.75	124
2000	Dogwood	12	20	45	75	95.99	124
2012	Cherry	35	10	25	60	75.75	124
2036	Elm	50	25	25	75	90	123

Read a record

End Process

Click to add notes

SLIDE 6 OF 10

NOTES COMMENTS

11:58 AM 2/26/2015