COMPUTER APPLICATIONS

Overview

This event provides recognition for FBLA members who can most efficiently demonstrate computer application skills.

This event consists of two parts: an objective test taken at the NLC and a skills production test taken prior to the NLC.

Competencies and Task Lists

http://www.fbla-pbl.ora/docs/ct/FBLA/COMPUTERAPPLICATIONS.pdf

Web Site Resources

- Certiport
 - http://www.certiport.com
- Computer Literacy Course
 - http://www.ncl.leicester.sch.uk/lt2/index.htm
- How-to articles from Microsoft
 - http://www.microsoft.com/education/tutorials.mspx
- Jan's Illustrated Computer Literacy 101
- http://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.htmlhttp://www.iegsworks.com/Lessons/index.html
- http://mistupid.com/technical/mailmerge
- Webopedia http://www.pcwebopedia.com/

COMPUTER APPLICATIONS SAMPLE QUESTIONS

- 1. Software that lets you see information in map form is a:
 - a. DSS
 - b. genetic algorithm
 - c. mapping agent
 - d. neural network
- 2. Equal-to, less-than, and greater-than are examples of:
 - a. arithmetic operations
 - b. logical operators
 - c. locations
 - d. subtraction
- 3. Giving this element would **not** help to narrow a search:
 - a. date
 - b. applet
 - c. boolean operator
 - d. language
- 4. The most used top-level domain is:
 - a. .edu
 - b. .com
 - c. .net
 - d. .gov

5. DSL stands for: a. digital stream line b. digital subscriber line c. digital self-help line d. digital service line 6. A program that provides synonyms is called a(n): a. editing program b. form letter program c. thesaurus program d. indexing program 7. The result of a formula in a cell is known as the: a. label b. range c. value d. displayed value 8. Which one of the following is **not** a basic data maintenance operation? a. creating a report from existing data b. deleting existing data c. adding new data d. changing existing data 9. This term is gaining access to a computer network, file, or other resource without permission. a. interfering b. unauthorized use c. hacking d. unauthorized access 10. Which one of the following can you do when communicating online in a written form with another person? a. see their facial expressions b. see their body language c. hear their tone of voice d. see your computer screen 11. Which one of the following is **not** a form of electronic communications? a. face-to-face b. chat c. e-mail d. discussion postings 12. Which one of the following should you do when posting to a discussion group? a. post an item that includes irrelevant information b. keep posting the same item repeatedly until somebody responds c. post the same item four times d. first search previous postings to see if the topic has already been posted 13. Spreadsheet programs are powerful ______ tools that allow you to complete calculations a. currency b. presentation

c. accountingd. database

- 14. Which one of the following is an example of an ISP?
 - a. NetZero
 - b. America Online
 - c. AT&TWorldnet
 - d. CompuServe
- 15. According to the FBLA-PBL format guide, which of the following sequences for memorandums is correct?
 - a. standard style, side and bottom margins of 1.5 inches, and top margin of 1.5 inches
 - b. standard style, top, side, and bottom margins of 1 inch
 - c. standard style, side and bottom margins of 1 inch, and top margin of 2 inches
 - d. standard style, side and bottom margins of 1.5 inches, and top margin of 2 inches
- 16. The em dash is used:
 - a. to mark a sudden break or abrupt change of thought
 - b. immediately after a comma, colon, or semicolon
 - c. immediately after a comma
 - d. at the beginning of any line of type
- 17. Which one of the following words uses a hyphen to break the words?
 - a. turned back
 - b. send off
 - c. oat cake
 - d. jungle side
- 18. A dimmed command:
 - a. appears gray
 - b. appears black
 - c. appears light blue
 - d. does not show
- 19. What external storage devices are still used to store personal computer-generated data?
 - a. floppy disks and card readers
 - b. CD-RW, CD-R, card readers
 - c. Floppy disks, flash drives, card readers, PC video camera
 - d. CD/DVD, floppy disks, flash drives
- 20. What are examples of output devices?
 - a. printer, monitor, and keyboard
 - b. keyboard and monitor
 - c. printer and monitor
 - d. keyboard, monitor, and mouse
- 21. The symbol for paragraph on the formatting menu bar of a word processing program means to:
 - a. combine paragraphs
 - b. delete a paragraph
 - c. show spacing
 - d. add a paragraph
- 22. Which sentence is grammatically correct?
 - a. This is the computer which has not been working since we bought it.
 - b. He wanted to see for himself the condition of the new golf course.
 - c. He wanted to see for hisself the condition of the new golf course.
 - d. Please read all the directions so you will set up the desks to face towards the west wall.

23.	Ending with a is the default option in a presentation program. a. black slide b. blank slide c. white slide d. summary slide
24.	What is the name of the window that appears on the right side of the screen when opening a word processing program such as Word? a. task pane b. window task pane c. window pane d. task window
25.	The search window allows you to find lost files and folders if you know the of the file or folder a. exact name b. partial name c. whole name d. file extension and name
26.	This is an appropriate response to a newbie posting. a. correcting every little mistake made b. a sarcastic response c. a lashing out ridiculing their inexperience d. a well-mannered kind response
27.	This is known as expressing a strongly held opinion without holding back emotion. a. firewall b. opinion c. wringing d. flaming
28.	To maximize a window, press the icon with theon the upper right side of the computer screen. a. close down symbol b. minus symbol c. restore down symbol d. maximize symbol
29.	Correct a word that has aunder the word (in your word processing program) by right clicking and choosing the correct spelling. a. red straight line b. red wavy line c. green wavy line d. green straight line
30.	When selecting nonadjacent cells in a spreadsheet, you should select the first cells and then do which of the following actions? a. hold down the Shift key and select the remaining cells b. hold down the Ctrl key and select the remaining cells c. hold down the Any key and select the remaining cells d. hold down the Alt key and select the remaining cells

COMPUTER APPLICATIONS SAMPLE PRODUCTION PROBLEMS

JOB 1: Spreadsheet with Chart

Create the spreadsheet shown in Figure 1 below. Use formulas to calculate the figures in the % Increase column. To calculate this formula, take U.S. 2005 subtract U.S. 2004 and divide by U.S. 2005. Format the spreadsheet with spacing, alignment, and dollar signs as shown.

Figure 1

Average Price For Existing Homes

	<u>Northeast</u>	<u>Midwest</u>	<u>South</u>	<u>West</u>	U.S.	<u>%</u> Increase
2004	\$ 164,300	\$ 110,600	\$ 122,800	\$ 182,900	\$ 145,150	
2005	170,800	117,300	128,000	190,900	151,750	
2006	177,500	123,900	135,800	204,700	160,475	
2007	184,200	130,500	143,600	218,500	169,200	

Using the data from the spreadsheet, create a bar chart showing the price for each region by year. Insert the chart below the spreadsheet.

- Title: Average Price for Existing Homes
- Y-axis label Year and the axis range from \$50,000 to \$250,000
- X-axis label is Dollars
- Create and label a legend

Print Job 1-A Print the formatted spreadsheet and chart on one page.

Print Job 1-B Print the spreadsheet and chart showing the formulas as well as the chart. Format so that the entire formula will be shown. Print to fit on one page.

Make the following changes in the spreadsheet:

1. Increase all the numbers in the Midwest column by 10 percent.

Print Job 1-C Print the revised spreadsheet and chart.

JOB 2: Sales Forecast Spreadsheet

Create the following spreadsheet. Use the following information to develop the correct formulas:

- 1. The total column on the right is the sum of the amounts in the Jan, Feb, and Mar columns.
- 2. Total Sales and Total Expenses rows are the sums of the data immediately above each total.
- 3. Net Income is Total Sales minus Total Expenses for each column.
- 4. Profit Margin is Net Income divided by Total Sales for each column.

Downtown Internet Café

	First Quarto <u>JAN</u>	er Forecast <u>FEB</u>	MAR	TOTAL
Sales				
Beverage	\$ 13,600	\$ 14,600	\$15,600	
Food	7,100	7,300	7,400	
Internet	4,000	4,200	4,500	
Merchandise	3,100	3,200	3,300	
Total Sales				
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>TOTAL</u>
Expenses				
Cost of Goods	\$ 6,950	\$ 7,300	\$ 7,600	
Salary	7,500	7,500	7,500	
Computers	6,400	6,400	6,400	
Lease	5,500	5,500	5,500	
Advertising	1,000	1,000	1,000	
Miscellaneous	1,500	1,500	1,500	
Total Expenses				\$
Income				
Net Income				

Profit Margin

Print Job 2-A Print the formatted spreadsheet on one page. The "Profit Margin" should show percent with decimal.

Print Job 2-B Print the spreadsheet showing the formulas. Format so that the entire formula will be shown. Print to fit on one page.

JOB 3: Column Chart

Using the spreadsheet from Job 2, create a column chart using Total Sales and Total Expenses. The spreadsheet should be titled FIRST QUARTER FORECAST. The y-axis is labeled "Dollars" and should range from \$26,000 to \$31,500. The x-axis should be labeled "Months." Create a legend.

Print Job 3 Print the formatted column chart on a page by itself.

JOB 4: Presentation

In this problem, you will create a presentation with six slides. You may use any appropriate presentation template for the presentation. Use the outline below to create each slide and add coffee-related clip art as desired.

Slide 1 (Title Slide)

Coffee Talk

Downtown Internet Café

Slide 2

Coffee Terms

- Flavor
 - A coffee's aroma, acidity, and body
- Aroma
 - The odor or fragrance of brewed coffee
- Acidity
 - The sharp, lively characteristics of coffee
- Body
 - The impression of a coffee's weight in the mouth

Slide 3

Central and South American Coffees

- Columbian
 - Distinctive, heady aroma
 - Clean, mellow, balanced flavor
- Guatemala Antigua
 - Rich and satisfying
 - Lively flavor
- Kona
 - Delicately aromatic
 - Smooth, mild flavor

Slide 4

East African Coffees

- Arabian
 - Strong and sparkling
 - Pungent, winy flavor
- Kenyan
 - Intense flavor and acidity
 - Rich and hearty
- Ethiopian
 - Floral aroma and flavor
 - Moderate body and acidity

Slide 5

Indonesian Coffees

- Java
 - Deep, fragrant aroma
 - Rich-bodied
- Sumatra
 - Herbal aroma
 - Spicy, vibrant flavor

Slide 6

Other Offerings

- Blends
- Dark Roasts
 - Espresso (dark)
 - Italian (darker)
 - French (darkest)
- Decaffeinated
 - Regular and dark roasts

Print Job 4-A Print the presentation showing all six slides on one page.

Print Job 4-B Print only Slide 2 on a full page.

JOB 5: Database with Reports and Queries

Using the data provided below, design and create a database for your newspaper advertisers.

	Advertisers										
Advertise r ID	Busines s Name	Business Type	Contact Name	Phone Numbe	Billing Street	Billing City	Billin g	Billin g Zip	Ad Siz	Ad Rate	Ad Frequenc
E592	Hearth & ¹ Home	Furniture Store	Doris Francis	(650) 555- 0022	1002 Lincoln Rd.	Temple	CA	95056	1/2	\$50.00	Biweekly
C425	Hair Dues	Beauty Salon	Jose Marcus	(650) 555- 0444	909 Lincoln Rd.	Temple	CA	95056	1/2	\$50.00	Biweekly
C321	Furry Friends	Pet Store	Katie Lewis	(650) 555- 6078	190 Redwood Ln.	Beacon Shores	CA	95055	1/4	\$25.00	Daily
C101	Discount Drugs	Pharmacy	Dan O'Donal d	(650) 555- 2233	142 Poppin Ave.	Beacon Shores	CA	95055	Full	\$100.0 0	Daily
B324	Maxi Mart	Grocery Store	Maury McMann	(650) 555- 7302	156 Washbur n	Middlefiel d	CA	95054	Full	\$100.0 0	Daily
B202	Fine Foods	Grocery Store	Hal Barry	(650) 555- 4720	100 Main St.	Temple	CA	95056	1/2	\$50.00	Daily
A340	Fix It Up	Auto Repair	Karen Little	(650) 555- 3903	59 Main St.	Temple	CA	95056	1/4	\$25.00	Daily
D100	Lou's Fine Dining	Restauran t	Lou Davis	(650) 555- 3725	8037 Lauren Ct.	Middlefiel d	CA	95054	Full	\$100.0 0	Monthly
B121	Fancy Pants	Clothing Store	Lucy Stevens	(650) 555- 1938	222 Redwood Ln.	Beacon Shores	CA	95055	Full	\$100.0 0	Monthly
E356	Lewis Drugs	Pharmacy	Stacey Travis	(650) 555- 4119	316 Park Ave.	Beacon Shores	CA	95055	1/2	\$50.00	Weekly
D333	Crazy Eddies	Restauran t	Ed Reese	(650) 555- 4047	337 Wedlund Ave.	Temple	CA	95056	1/2	\$50.00	Weekly
D276	Fancy Feast	Restauran t	Wanda Marsh	(650) 555- 2183	395 Briar Way	Beacon Shores	CA	95055	Full	\$100.0 0	Weekly
B493	Miller's Pharmac y	Pharmacy	Helen Franklin	(650) 555- 5454	709 Lincoln Rd.	Temple	CA	95056	1/2	\$50.00	Weekly
A123	The Page Turner	Book Store	Michael Brown	(650) 555- 2121	636 Charing Rd.	Beacon Shores	CA	95055	1/2	\$50.00	Weekly

Print Job 5-A Print your table(s) showing all the data.

- **Print Job 5-B** Create and print a report that lists the Business Name, Contact Name, and Phone Number of all the advertisers.
- **Print Job 5-C** Create and print a query that lists the Business Name, Ad Size, and Ad Rate for all the advertisers. Arrange them in ascending order by Ad Rate.
- **Print Job 5-D** Create and print a query that lists the Business Name, Contact Name, and Contact Phone for all businesses with an Ad Rate of \$100.
- **Print Job 5-E** Create and print a report similar to the one shown on the following page. Include the Business Name, Ad Size, Ad Rate, and Ad Frequency. Group them by Ad Frequency and include summaries for the total of the Ad Rates for each group.

A d Frequency	A d Size	Business Name	Ad Rate
Biweekly			
	1/2	Hearth & Home	\$50.00
	1/2	Hair Dues	\$50.00
Summary for 'Ad Frequ Sum	ency' = Biweekly (2 o	detail records)	\$100.00
Daily			
	1/2	Fine Foods	\$50.00
	1/4	Furry Friends	\$25.00
	1/4	Fix It Up	\$25.00
	Full	Discount Drugs	\$100.00
	Full	Maxi Mart	\$100.00

JOB 6: Word Processing Letter with Table

Key a letter to Mr. Adam Smart, 1643 Park Circle, Sherwood, MN 45003. The letter is from Rodney Schneider, Adventure Specialist. Use the current date and supply all necessary letter parts. Follow the FBLA-PBL Format Guide. Use the following paragraphs for the letter and include the table within the body of the letter as shown:

Imagine hiking and paddling your way through the rain forests of Costa Rica, camping under the stars in Africa, or following in the footsteps of the ancient Inca as you backpack along the Inca Trail to Machu Picchu. Turn these dreams of adventure into memories you will cherish forever by joining us on one of our four new adventure tours.

To learn more about these exciting new adventures, plan on attending one of the following presentations:

Date	Time	Location	Room			
January 5	7:00 p.m.	Town Center Hotel	Room 284B			
February 3	7:30 p.m.	Airport Manor	Conference Room A			
March 8	7:00 p.m.	Country Inn	Mountainside Room			

Our vacation tours are professionally planned and designed solely for your enjoyment. In appreciation for your past patronage, we are pleased to offer you a 10 percent discount off the price of any of the new tour packages. You must book the trip at least 60 days prior to the departure date. Please turn in this letter to qualify for the discount.

We hope you will join us this year on another special Adventure Travel journey. For reservations, please see your travel agent, or contact us directly at 1-800-777-0004.

Print Job 6 Print letter.

JOB 7: Flyer (10 points)

Use the following information to create a flyer for Adventure Travel Tours. Be creative with your use of clip art and appropriate type sizes and styles. Include a page border of some type on the flyer and make use of the full page. Additional instructions are given in parentheses.

Announcing
New Adventure Travel Tours
(Insert picture or clip-art picture here)

This year we are introducing four new tours offering you a unique opportunity to combine many different outdoor activities while exploring the world.

Hike the Inca Trail to Machu Picchu Camping Safari in Tanzania Climb Mount Kilimanjaro Explore the Costa Rican Rainforests

Attend an Adventure Travel presentation to learn about some of the earth's greatest unspoiled habitats and find out how you can experience the adventure of a lifetime.

Call 1-800-777-0004 for presentation locations, a full color brochure, and itinerary information, costs, and trip dates.

Visit our Web site at AdventureTravelTours.com

Print Job 7 Print the finished flyer.

			.,
Business	Law	Answer	ĸe۱

1)	A	11)	С	21)	D
2)	D	12)	A	22)	В
3)	С	13)	В	23)	В
4)	В	14)	A	24)	В
5)	В	15)	В	25)	D
6)	С	16)	A	26)	В
7)	С	17)	С	27)	С
8)	D	18)	С	28)	A
9)	D	19)	С	29)	D
10)	D	20)	A	30)	С
De:	ness Math Anguer Kay				

Business Math Answer Key

1)	D	11)	В	21)	С
2)	D	12)	С	22)	Α
3)	D	13)	D	23)	Α
4)	A	14)	D	24)	D
5)	A	15)	В	25)	A
6)	В	16)	A	26)	Α
7)	В	17)	В	27)	Α
8)	D	18)	С	28)	В
9)	С	19)	С	29)	В
10)	A	20)	В	30)	С

Business Procedures Answer Key

1)	В	11)	A	21)	Α
2)	С	12)	В	22)	D
3)	В	13)	Α	23)	С
4)	A	14)	С	24)	D
5)	A	15)	С	25)	С
6)	С	16)	В	26)	С
7)	В	17)	В	27)	D
8)	A	18)	D	28)	A
9)	A	19)	D	29)	A
10)	С	20)	В	30)	С

Computer Applications Answer Key

	parer reprisancing reserves are	,			
1)	С	11)	A	21)	С
2)	В	12)	D	22)	В
3)	В	13)	С	23)	A
4)	В	14)	С	24)	A
5)	В	15)	С	25)	В
6)	С	16)	A	26)	D
7)	D	17)	A	27)	D
8)	A	18)	A	28)	D
9)	D	19)	D	29)	В
10)	D	20)	С	30)	В

Computer Problem Solving Answer Key

	pare: : : : : : : : : : : : : : : : : : :				
1)	D	11)	D	21)	D
2)	С	12)	С	22)	D
3)	С	13)	В	23)	В
4)	В	14)	В	24)	A
5)	D	15)	С	25)	В
6)	С	16)	С	26)	В
7)	В	17)	A	27)	D
8)	A	18)	D	28)	В
9)	D	19)	С	29)	С
10)	A	20)	D	30)	В

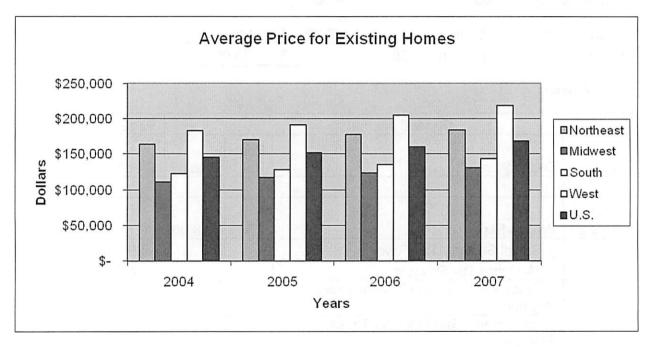
COMPUTER APPLICATIONS PRODUCTION ANSWER KEY

JOB 1: Spreadsheet with Chart

Job 1-A

Average Price For Existing Homes

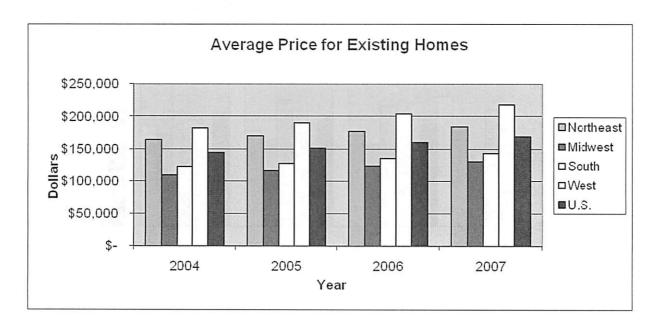
	<u>Northeast</u>	Midwest	South	West	<u>U.S.</u>	% Increase
2004	\$ 164,300	\$ 110,600	\$ 122,800	\$ 182,900	\$ 145,150	
2005	170,800	117,300	128,000	190,900	151,750	4.35%
2006	177,500	123,900	135,800	204,700	160,475	5.44%
2007	184,200	130,500	143,600	218,500	169,200	5.16%



Job 1-B
A function also can be used in place of formula sample: =sum(B7:E7)

Average Price For Existing Homes

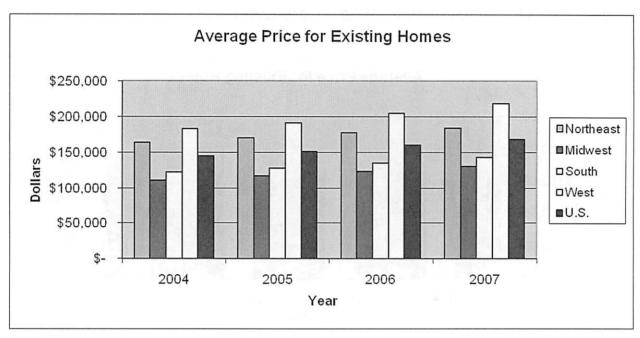
	<u>Northeast</u>	<u>Midwest</u>	South	West	<u>U.S.</u>	% Increase
2004 2005 2006	164300 170800 177500	110600 117300 123900	122800 128000 135800	182900 190900 204700	=(B7+C7+D7+E7)/4 =(B8+C8+D8+E8)/4 =(B9+C9+D9+E9)/4	=(F8-F7)/F8 =(F9-F8)/F9
2007	184200	130500	143600	218500	=(B10+C10+D10+E10)/4	=(F10- F9)/F10



Job 1-C

Average Price For Existing Homes

	Northeast	Midwest	South	West	U.S.	<u>%</u> Increase
2004 2005 2006 2007	\$ 164,300 170,800 177,500 184,200	\$ 121,660 129,030 136,290 143,550	\$ 122,800 128,000 135,800 143,600	\$ 182,900 190,900 204,700 218,500	\$ 147,915 154,683 163,573 172,463	4.38% 5.43% 5.15%



JOB 2: Spreadsheet

Job 2-A

Downtown Internet Café First Quarter Forecast

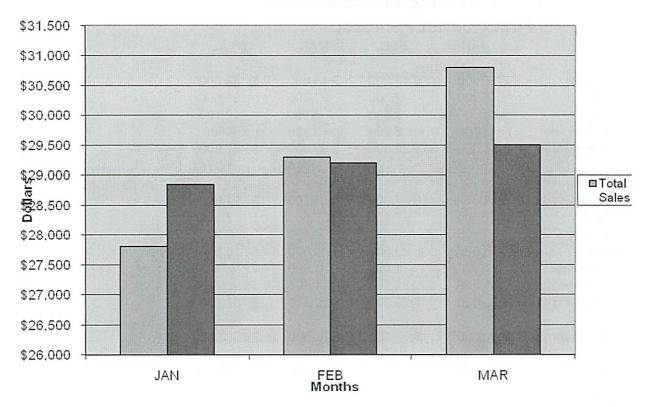
	JAN FEB		MAR	R TOTAL	
Sales					
Beverage	\$ 13,600	\$ 14,600	\$ 15,600	\$ 43,800	
Food	7,100	7,300	7,400	21,800	
Internet	4,000	4,200	4,500	12,700	
Merchandise	3,100	3,200	3,300	9,600	
Total Sales	\$ 27,800	\$ 29,300	\$ 30,800	\$ 87,900	
	<u>JAN</u>	<u>FEB</u>	MAR	TOTAL	
Expenses					
Cost of Goods	\$ 6,950	\$ 7,300	\$ 7,600	\$ 21,850	
Salary	7,500	7,500	7,500	22,500	
Computers	6,400	6,400	6,400	19,200	
Lease	5,500	5,500	5,500	16,500	
Advertising	1,000	1,000	1,000	3,000	
Miscellaneous	1,500	1,500	1,500	4,500	
Total Exp	\$ 28,850	\$ 29,200	\$ 29,500	\$ 87,550	
Income					
Net Income	\$ (1,050)	\$ 100	\$ 1,300	\$ 350	
Profit Margin	-3.78%	0.34%	4.22%	0.40%	

Job 2-B

	<u>JAN</u>	FEB	MAR	TOTAL
Sales				
Beverage	13600	14600	15600	=B5+C5+D5
Food	7100	7300	7400	=B6+C6+D6
Internet	4000	4200	4500	=B7+C7+D7
Merchandise	3100	3200	3300	=B8+C8+D8
Total Sales	=SUM(B5:B8)	=SUM(C5:C8)	=SUM(D5:D8)	=SUM(E5:E8)
	<u>JAN</u>	<u>FEB</u>	MAR	TOTAL
Expenses				
Cost of Goods	6950	7300	7600	=SUM(B12:D12)
Salary	7500	7500	7500	=SUM(B13:D13)
Computers	6400	6400	6400	=SUM(B14:D14)
Lease	5500	5500	5500	=SUM(B15:D15)
Advertising	1000	1000	1000	=SUM(B16:D16)
Miscellaneous	1500	1500	1500	=SUM(B17:D17)
Total Exp	=SUM(B12:B17)	=SUM(C12:C17)	=SUM(D12:D17)	=SUM(B18:D18)
Income				
Net Income	=B9-B18	=C9-C18	=D9-D18	=E9-E18
Profit Margin	=B20/B9	=C20/C9	=D20/D9	=E20/E9

JOB 3: Column Chart

First Quarter Forecast



JOB 4: Presentation

Coffee Talk



Downtown Internet Cafe

Coffee Terms

- Flavor
 - A coffee's aroma, acidity, and body
- Aroma
 - The odor or fragrance of brewed coffee
- Acidity
 - The sharp, lively characteristics of coffee
- Body
 - The Impression of a coffee's weight in the mouth

Central and South American Coffees

- Columbian
 - Distinctive, heady aroma
 - Clean, mellow, balanced flavor
- · Guatemala Antigua
 - Rich and satisfying
 - Lively flavor
- Kona
 - Delicately aromatic
 - Smooth, mild flavor

East African Coffees

- Arabian
 - Strong and sparkling
 - Pungent, winy flavor
- Kenyan
 - Intense flavor and acidity
 - Rich and hearty
- Ethiopian
 - Floral aroma and flavor
 - Moderate body and acidity

Indonesian Coffees

- Java
 - Deep, fragrant aroma
 - Rich-bodied
- Sumatra
 - Herbal aroma
 - Spicy, vibrant flavor

Other Offerings

- Blends
- Dark Roasts
 - Espresso (dark)
 - Italian (darker)
 - French (darkest)
- · Decaffeinated
 - Regular and dark roasts

Coffee Terms

- Flavor
 - A coffee's aroma, acidity, and body
- Aroma
 - The odor or fragrance of brewed coffee
- Acidity
 - The sharp, lively characteristics of coffee
- Body
 - The impression of a coffee's weight in the mouth