GE19 Computer Programming

Part 1 Lesson

BAE 601 Computer Programming (Electrical+ Mechanical)

Day 23 Part 1

BAE6011

BAE6012

BAE6013

BAE6014

BAE 601 Computer Programming (Electrical+ Mechanical)

Day 24 Part 1

BAE6011

BAE6012

BAE6013

Part 2 References

ICT 103 Applied Programming

C Programming

Lectures

BAE601-ICT 103+104+204 Week 1 Lesson

ASSIGNMENT (1)

Part (1) Questions

Study the slide Number from	Questions
2	Explain the writing & running C Program
5	Write the program to call a function
7	Indicate char(12) in memory
10	Describe how (3-6) /5 is calculated
12	What is the difference between ++X and X ++
14	Write a program to call the stack.
16	How for loop can be used instead of while loop, describe with example program.?
18	if you wanted to implement a function pow_assign() that *modified* its argument, how will you write the program?
20	What if we had a way to find out the address of a symbol, and a way to reference that memory location by address? Explain with sample program.
22	Write the program to check the pointer validity.
26	What is array?

Part (2) Program Task

Write a program to accomplish the followings

- struct timeval is defined in this header

- fields can specify specific bit widths
- A newly-defined structure is initialized using this syntax. All unset fields are 0.
- structs define a layout of typed fields
- Fields are accessed using '.' notation.
- A pointer to a struct. Fields are accessed using '->' notation, or (*ptr).counter

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ICT 104 Program Projects

C++ Programming

Lectures

BAE601-ICT 103+104+204 Week 2 Lesson Part 1

BAE601-ICT 103+104+204 Week 2 Lesson Part 2

BAE601-ICT 103+104+204 Week 2 Lesson Part 3

(R179)structured-programming-with-c-plus-plus_pdf

http://www.filefactory.com/file/26stkfcfaukj/n/structured-programming-with-c-plus-plus_pdf

(257)project-2010-advanced_pdf

http://www.filefactory.com/file/3sye8n116nv9/n/project-2010-advanced_pdf

ASSIGNMENT (2)

Program Task

BAE601-ICT 103+104+204 Week 2 Lesson Part 1

(1) Create a C++program that asks the user for the unit price of a product and, the quantity and then calculate total price
(2) Draw a JSP Graph and write the C++ program that user can enter the quantity & price.
(3) Draw a JSP graph & write the C++program to get the following print out.

INVOICE

Quantity : 10

Price per unit: 17.70

Total price : 185.85

Tax : 8.85

(4) Write a time conversion program by using C++

BAE601-ICT 103+104+204 Week 2 Lesson Part 2

Program Task

(5) Write a C++program that calculate the sale price. If the customer buy for $2000, 10% discount will be given. If the customer buy for $1000 or

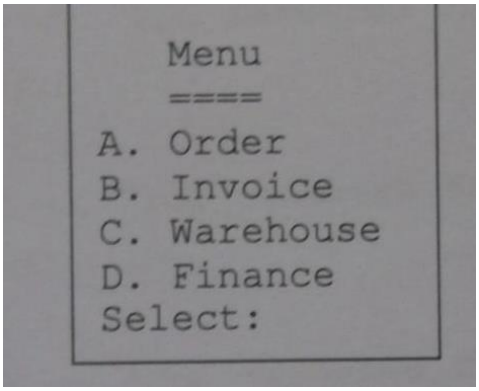
more than 10 item, 5% discount will be given otherwise no discount will be given.

(6) Print the number 1 to 10 with their cube by using C++.

(7) Write the C++program to solve the equation $X^2+4X=+3 = 0$.

(8) Write the C++ program to calculate the average temperature in January

(9) Write the C++ program to operate the following warehouse inventory system.



(10)Write C++ program to determine the square root value of numbers.

ICT 105 Systems Analysis and Programs

Lectures

BAE603-ICT_105_106_Wk_1

References Slides & Notes

BAE603-ICT_105_106_Wk_3 Part 1

System Analysis

Part 3 Practical

ICT 204 Advanced Programming

Lectures

BAE601-ICT 103+104+204 Week 2 Lesson Part 3

Readers

(R179)structured-programming-with-c-plus-plus_pdf

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(211)/visio-2007_pdf

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(222)object-oriented-programming-using-c-sharp_pdf

http://www.filefactory.com/file/5gkn3yfop60p/n/object-oriented-programming-using-c-sharp_pdf

Assignment (4)

Program

(1) Write the C++ program to determine the average
(2) Write C++ program to accomplish the following tasks

- Tax is 5%
- 10% discount for purchasing over $3000
- 5% discount for purchasing over $1000 or quantities more than 50
- Final price should include appropriate discount & tax

(3)Write C++ program which reads quantity and unit price of a product from the user and the name of the user. The program needs to calculate the total price of the product and print a personal price note on the screen.

(4)Write a C++ program to store 30 inventories in a store that includes the product name, quantity in the store, price and supplier in table.

Lectures

BAE601-ICT 103+104+204 Wk 3 Lessons Part 2

BAE601-ICT 103+104+204 Wk 3 Lessons Part 2

Reference Slides

BAE601-ICT 103+104+204 Wk 3 Lessons Part 1

BAE601-ICT 103+104+204 Wk 3 Lessons Part 1

Also view the reference slides containing the features of VB

Readers

(R183)introduction-to-programming-in-visual-basic-6-0_pdf

http://www.filefactory.com/file/2e4r2noib70t/n/introduction-to-programming-in-visual-basic-6-0_pdf

Assignment (5)

Program (1)

Study the example VB program (Making Pizza) included in the slides and referring the principle & idea included in the program in all slides, you need to write the following Visual Basic program.

The above is the VB program explained in lecture. Referring the programming principles presented in the program, you write a customer order taking program to fulfil the following aspects

Company Name- Mega Electrical Products

Customer Name, Phone Number, E mail address are to be included.

The customer will need to choose two option to purchase the products.

(1) Mail order by parcel
(2) Delivery by courier

The postal address for mail order and delivery by courier for street address are to be recorded.

The customer can select several electrical, electronics and computer equipments. You can name 10 electrical/ electronics products and 10 computer products.

Preference of dispatch are to be included. There will be one of two options to be selected They are

(1) Normal dispatch
(2) Priority dispatch

You need to type the coding on Word file & send it by e-mail.

Lectures

BAE601-ICT 103+104+204 Wk 3 Lessons Part 3

Assignment (6)

Program

ICT 205 Project Work

C # Programming

Introduction

http://www.filefactory.com/file/4nkx66h5o88h/n/Part1_1_pdf

http://www.filefactory.com/file/6dlohpohof9l/n/Lesson_1_-_Introduction_to_Programming_1_pdf

Programmer Reference

http://www.filefactory.com/file/6mmpk77zvnc1/n/23759_A_Programmers_Introduction_to_Csharp_1_pdf

Computer Programming for Control

D150+D151

E-Learning Lessons

D150+D151+I020-1 Data Communication

http://www.filefactory.com/file/7crpszzpx8xx/D150%2BD151%2BI020-1_Data_Communication.zip

D150+D151+I020-2 LAN+PID

http://www.filefactory.com/file/3hnwb7orj19x/D150%2BD151%2BI020-2_LAN%2BPID.zip

D150+D151+I020-3 Control Loop

http://www.filefactory.com/file/cra52v6282v/D150%2BD151%2BI020-3%20Control%20Loop.zip

D150+D151+I020-4 Controller Operation

http://www.filefactory.com/file/4ruchk3ib171/D150%2BD151%2BI020-4%20Controller%20Operation.zip

D150+D151+I020-5 Microcontroller

http://www.filefactory.com/file/6ko5bbg3uw9t/D150%2BD151%2BI020-5%20Microcontroller.zip

D150+D151+I020-6 Control Loop Programming

http://www.filefactory.com/file/2puzzzhkdft5/D150%2BD151%2BI020-6%20Control%20Loop%20Programming.zip

D150+D151+I020-7 Assembly Programming

Written Notes

http://www.filefactory.com/file/66l5zuebhnx5/I020-7.pdf

Video 1

http://www.filefactory.com/file/3000jxg0jcaj/SUNP0005.mp4

Video 2

http://www.filefactory.com/file/5o4suuljvjhx/SUNP0006.mp4

D150+D151+I020-8 Subroutine

http://www.filefactory.com/file/3c8rl98yimtp/D150%2BD151%2BI020-8%20Subroutine.zip

D150+D151+I020-9 Time Delay 1

Written Note

http://www.filefactory.com/file/665xvntfbhdr/I020-9.pdf

Video 1

http://www.filefactory.com/file/7ehozsppydxb/SUNP0014.mp4

Video 2

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Video 3

http://www.filefactory.com/file/4c2xq23f1ehh/SUNP0016.mp4

D150+D151+I020-10 Time Delay 2

http://www.filefactory.com/file/7g813fu5zbz5/D150%2BD151%2BI020-10_Time_Delay_2.zip

D150+151+I20 Assignment

http://www.filefactory.com/file/5vpvh6e7pmjt/D150%2B151%2BI20_Assignment.pdf

UEENEED027B	Develop structured programs for control sub systems to access external devices

UEENEED009B	Develop, enter and verify programs for industrial control systems using high level instruction

To download the followings

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To download the followings

MPLAB_IDE_8_50.zip (113.85MB)
http://www.filefactory.com/file/4slkccmlrvsp/n/MPLAB_IDE_8_50.zip

Turbo C.zip (4.79MB)
http://www.filefactory.com/file/21o3yyh7vvdt/n/Turbo_C.zip

Speed C Programming.zip (2.22MB)
http://www.filefactory.com/file/2cm2d7rck6px/n/Speed_C_Programming.zip

MPLAB_User_Guide_51519c.pdf (4.13MB)
http://www.filefactory.com/file/7fu6117xxbrf/n/MPLAB_User_Guide_51519c.pdf

MPLAB_IDE_8_50_Release_Notes.zip (0.22MB)
http://www.filefactory.com/file/30ms2c624pmf/n/MPLAB_IDE_8_50_Release_Notes.zip

Microprocessor References to upload.zip (11.59MB)
http://www.filefactory.com/file/3nvx6a07jtfp/n/Microprocessor_References_to_upload.zip

MPLAB Integrated Development Environment.doc (0.33MB)
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Micro Processor+C Programming.zip (54.48MB)
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Micro prosessor Text book to upload.zip (12.69MB)
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F+Nano-Product Sheets.zip (9.53MB)
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C-Programming6.pdf (10.86MB)
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Embedded System Software Development.doc (2.62MB)
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http://electricaldiploma2013.zoomshare.com/files/ComputerProgrammingforControl.htm

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www.iqytechnicalcollege.com/ComputerProgrammingforControl.htm