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Class Notes

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Write down the basic structure of C programming.

basic structure of C   **Class Notes: C Programming**   **Definition**   **Documentation**   **Executable part**   **Link**   **main () function**   **structure of C programming**
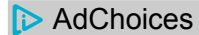
Basic structure of C programming:

To write a C program, we first create functions and then put them together. A C program may contain one or more sections. They are illustrated below.

You Might Be Looking For This:

Explain the Basic Structure of a C Program with an Example.

Documentation section

Link section

Definition section

Global declaration section

main () Function section

```
{
```

Declaration part
Executable part

```
}
```

Subprogram section

Function 1
Function 2
....
....
Function n

(User defined functions)

1. Documentation section: The documentation section consists of a set of comment lines giving the name of the program, the author and other details, which the programmer would like to use later.

2. Link section: The link section provides instructions to the compiler to link functions from the system library

such as using the *#include directive*.

3. Definition section: The definition section defines all symbolic constants such using the *#define directive*.

4. Global declaration section: There are some variables that are used in more than one function. Such variables are called global variables and are declared in the global declaration section that is outside of all the functions. This section also declares all the *user-defined functions*.

5. main () function section: Every C program must have one main function section. This section contains two parts; declaration part and executable part

   1. Declaration part: The declaration part declares all the *variables* used in the executable part.

   2. Executable part: There is at least one statement in the executable part. These two parts must appear between the opening and closing braces. The *program execution* begins at the opening brace and ends at the closing brace. The closing brace of the main function is the logical end of the program. All statements in the declaration and executable part end with a semicolon.

6. Subprogram section: If the program is a *multi-function program* then the subprogram section contains all the *user-defined functions* that are called in the main () function. User-defined functions are generally placed immediately after the main () function, although they may appear in any order.

All section, except the main () function section may be absent when they are not required.

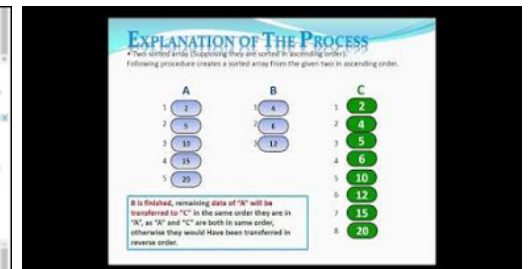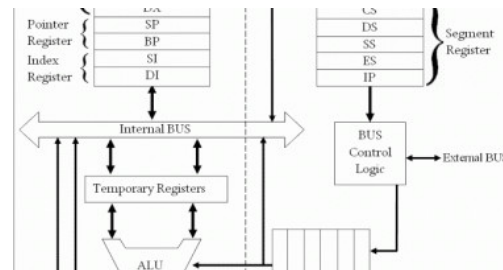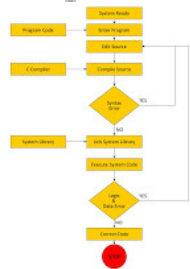Must Read: *Draw the flow chart of the process of compiling and running a C program*

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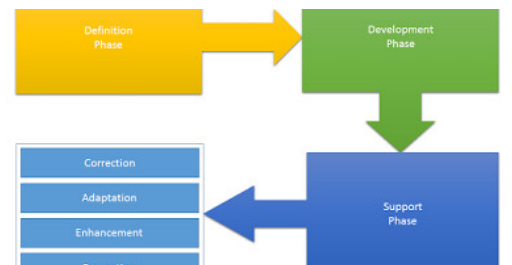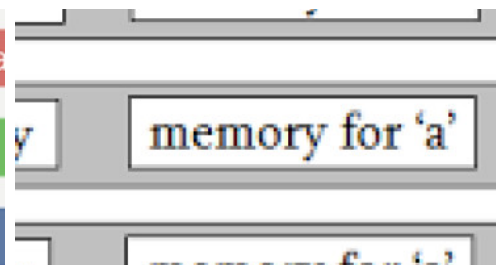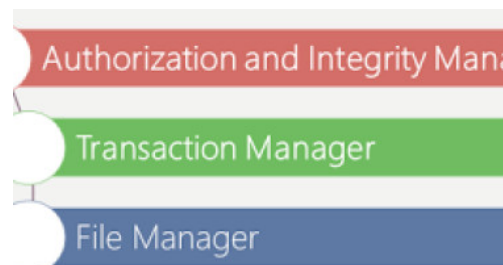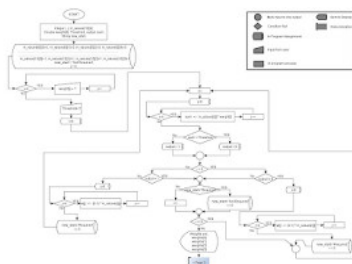| Recommended	0 Comments	Contact Us

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Explain the Basic Structure of a C Program wit...

Write down the basic structure of C programming.

Write down the commonly used scanf format codes?

Write down the character test functions and th...

In C language, define input & output operation...

What are the rules for ++ and -- operators?

What are the different operators?

What is operator ? What are the categories of ...

Find the value of half-life period.

$$N_0 e$$

Deduce the law of radioactive disintegration.

$$-\frac{dN}{dt} \propto N$$

$$-\frac{dN}{dt} = \lambda N$$

Describe the general properties of nucleus.

10^{-1}

Derive the de Broglie wavelength for a charged...

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What is flux?

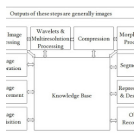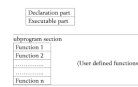What is electric charge?

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Write down the basic structure of C
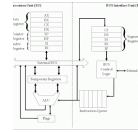
programming.

Purposes of having general registers (AX,BX,CX,DX,SP,BP,SI,DI) and ALU (arithmetic and logic unit) in 8086
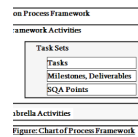

Explain and Solve : Round Robin (RR) of Operating System Concepts

Explain and Solve : First Come First Served (FCFS) of Operating System Concepts

What is software process and software process framework ? Explain.

Explain and Solve : Priority Scheduling of Operating System Concepts

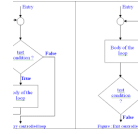What is evolutionary software process model?

Explain different types of data structures.

What are the entry controlled and exit controlled loops?

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