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Difference between Structured Programming and Object Oriented Programming

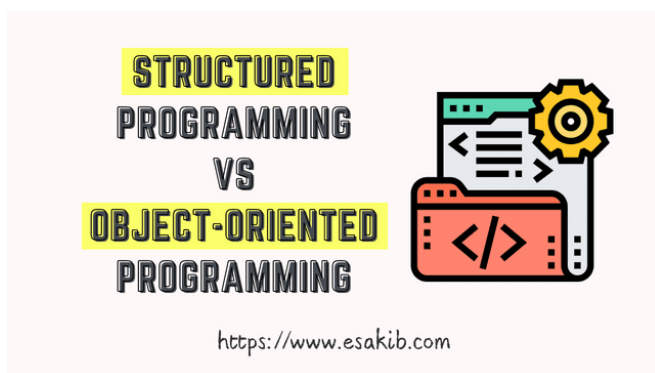


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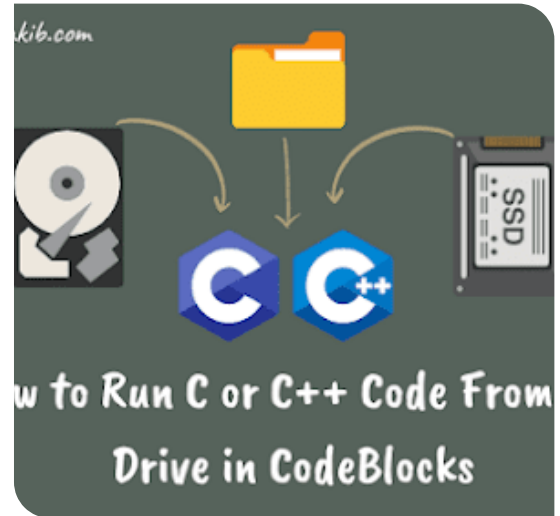
There are two dominant programming paradigms, structured programming, and object-oriented programming. Each has its own strengths and weaknesses, and which one you choose to use will depend on the specific needs of your project. This blog will discuss two paradigms and explore their key differences.



Distinguish Between Structured Programming and Object Oriented Programming


Structured programming is a traditional, top-down approach in which code is written linearly, step-by-

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step. This approach focuses on the program's logic and control flow through the code. Programs written in a structured manner are typically easy to understand and debug. In structured programming, programs are divided into small programs or functions but can be more difficult to maintain and scale.

Object-oriented programming (OOP)

takes a bottom-up approach in which code is organized around objects. This approach is focused on the data that the program manipulates and the relationships between those objects. Programs written object-oriented can be more difficult to understand and debug but easier to maintain and scale. OOP provides more flexibility and abstraction as compared to structured programming.

Table of Differences between Structured Programming and Object-Oriented Programming

Structured Programming	Object Oriented Programming
It follows the "Top-Down Approach".	It follows the "Bottom-Up Approach".
Less flexible as compared to OOP.	More flexible as compared to structured programming.
Programs are divided into small programs or functions.	Programs are divided into objects or entities.
The reuse of code is	The reuse of code is

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difficult as compared to OOP.	very easy as compared to structured programming.
Difficult to modify as compared to OOP.	OOP is easy to modify.
It gives more importance to code.	It gives more importance to data.

So, which approach is better? Each approach has its advantages and disadvantages, and the best approach for your project will depend on your specific needs. Object-oriented programming may be the better choice if you need to create a large, complex system. Structured programming may be the better choice if you need to create a small and simple project.

Ultimately, the best way to choose an approach is to experiment with both and see which works better for you. There is no right or wrong answer, so the best approach is the one that works best for you and your project.

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Hello, there! I am Sakib Mahmud from Bangladesh. Currently, I am studying computer science and engineering. And I love to write articles.



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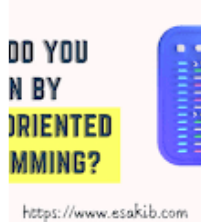
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