



FACULTY OF ENGINEERING & TECHNOLOGY

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Topics Covered

Advantage of OOPs over Procedure-oriented programming language
sequencing in programming
Applications of sequencing



Advantage of OOPs over Procedure-oriented programming language

OOPs provides the ability to simulate real-world event much more effectively.

We can provide the solution of real word problem if we are using the Object-Oriented Programming language.

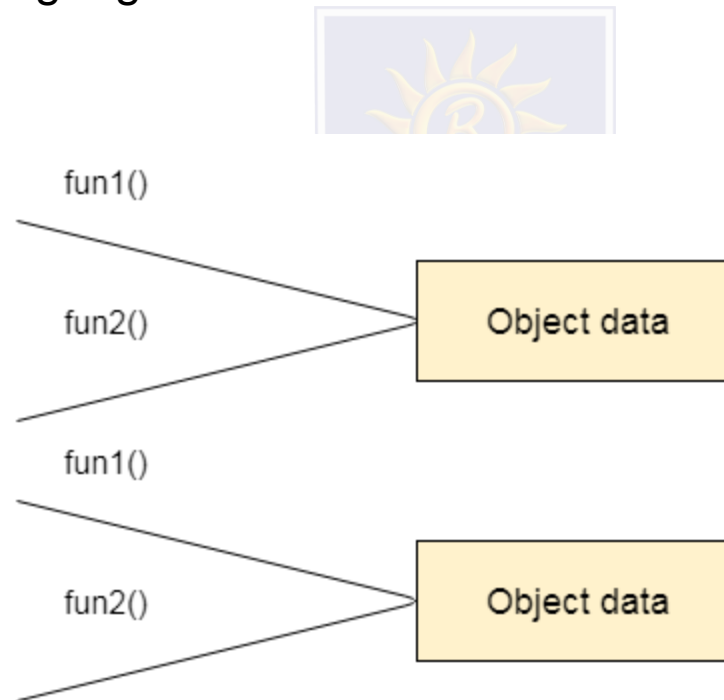


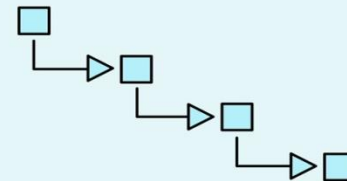
Figure: Data Representation in Object-Oriented Programming

Sequence, the order that commands are executed by a computer, allows us to carry out tasks that have multiple steps.

In programming, sequence is a basic algorithm: A set of logical steps carried out in order. Computers need instructions in the form of an algorithm in order to complete a desired task, and this algorithm must have the correct order of steps, or sequence.

Example: We can relate sequence to our everyday lives. Think about making a PB & J sandwich as a task, for example. If we want to make a delicious, peanut butter and jelly sandwich, we need to follow multiple steps in a logical order. We would begin by gathering our ingredients, getting a knife, spreading the peanut butter, spreading the jelly, and so forth.

Sequence



In programming, computers can only carry out tasks that are in the correct sequence. Computers are MACHINES and they have to do things the way they were built to do them.

In Kodable, the fuzz needs to be given instructions in the correct sequence to get through the maze. Using arrows as commands, we need to give the fuzz instructions in the correct sequence, or the fuzz will hit the wall of the maze.

Computers read in a certain order; similar to a typewriter which can only go left to right and top to bottom. A computer has to read code in order. If the sequence of the commands is incorrect, the computer won't be able to follow the instructions.

