

“Inheritance in Object Oriented Programming”



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Abstract: Inheritance is one of the fundamental concepts in object oriented programming which consists in creating new classes from existing classes. In this presentation, the concept of inheritance, creating derived classes from a base class, is covered and illustrated for a specific object oriented programming context (Java language). The presentation will also discuss the implications of inheritance on the relationship between the derived classes and the base class such as overriding functions and access to the members of the base class.

Bio: Houria Oudghiri obtained her PhD degree in computer engineering from McGill University in 1999. She worked at Sun Microsystems in California as a software engineer from 2000-2001 before joining academia in 2002 as an assistant professor at the Ecole Supérieure d'Informatique in Algiers, Algeria. From 2004 to 2015, she worked for Effat University, a women university in Saudi Arabia, in the department of computer science where she taught courses in programming, data structures, and computer architecture. She returned to the Ecole Supérieure d'Informatique in Algiers, Algeria from 2016 to 2018 where she taught computer architecture and advanced computer architecture. Since September 2018, Houria Oudghiri is a visiting professor at SUNY Polytechnic Institute in Utica, NY, where she teaches computing fundamentals, object oriented programming, and computer organization.

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