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	Sommario/riassunto	The integrated circuits are now growing its importance in every electronic system that needs an efficient VLSI architecture designs with low power consumption, compress chip area, speed, and operating frequency. The challenge for VLSI system designers is to optimize the hardware-software integration for lowering the total cost of acquisition of products. So, there is a demand for better technological solutions for advanced VLSI architectures that can be done through hardware description language (HDL). Verilog HDL is one of the programming languages that can give better solutions to this new era of the VLSI industry.