



# **FPGA Computing Systems : Background Knowledge & Introductory Materials**

## **Quiz Answers**

### **Week 3 : Reconfigurable System**

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**Name : Harsh Siddhapura**

**Degree : Bachelor of Technology**

**Dept. : Information & Communication Technology**

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1. What's the meaning of the 90%-10% rule?

**10% of the application code uses 90% of the computation time**

10% of the application is never executed

10% of the computation time uses 90% of the resources

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2. Why the theoretical implementations are not always reachable?

Not reconfigurable areas

**Routing delays**

Data locality

**Data transmission**

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3. What is the meaning of having a virtual device in hardware?

Sharing it with multiple tenants thanks to reconfiguration

Fast prototyping

**Implementing solutions which require more resources than the ones available**

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