

# Project 2



### **Eng/ Kareem Waseem**

### By:

**Omar Ahmed Fouad** 

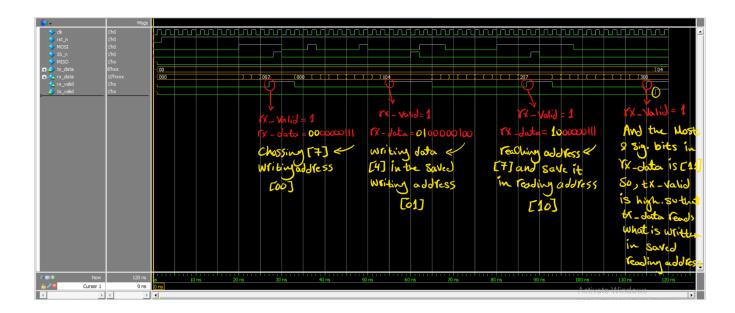
Naira Ahmed Ali

"Team : ON"

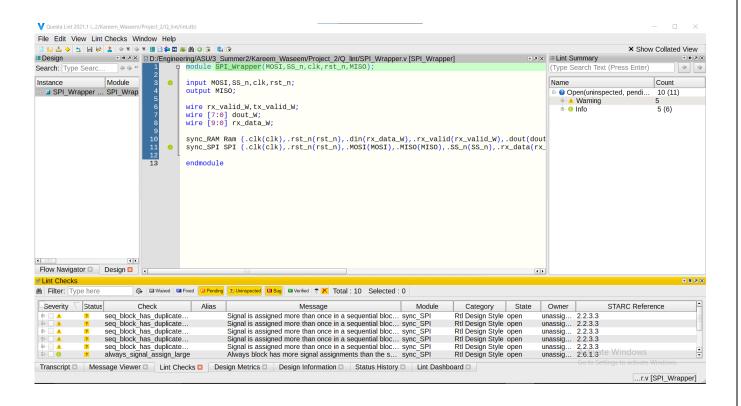
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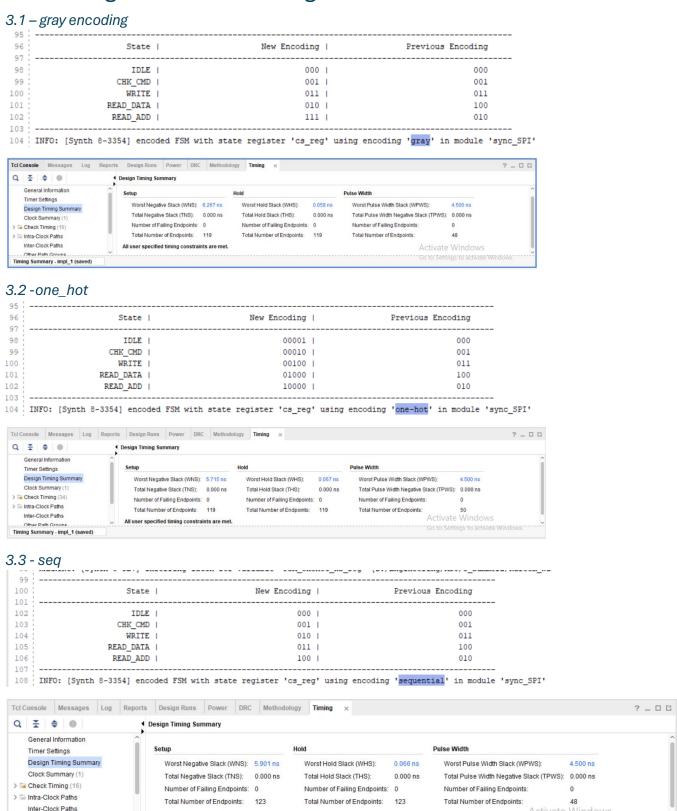
### 1-QuestaSim Snippets



### 2-QuestaLint Snippets



# 3-Choosing the best encoding



Gray encoding was selected as it provides the highest setup slack of 6.267 ns, which allows for the highest operating frequency.

All user specified timing constraints are met.

Other Path Grouns

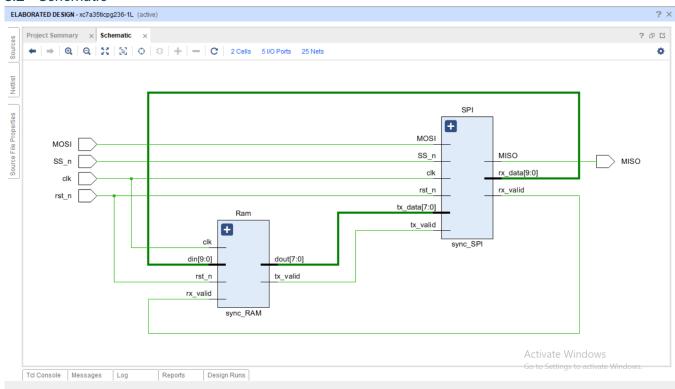
Activate Windows

# 4-Elaboration snippets after choosing the encoding

### 3.1 - Massage



#### 3.2 – Schematic

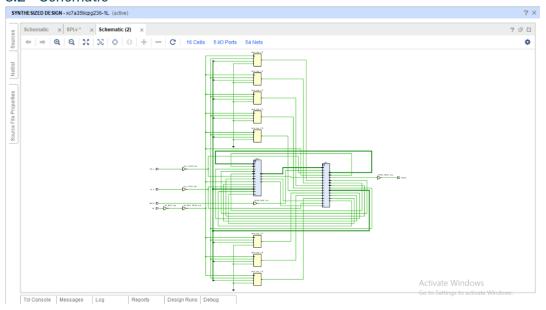


# 4- Synthesis snippets after choosing the encoding

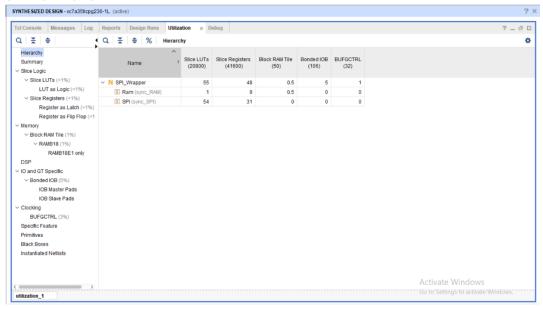
### 3.1 - Massage



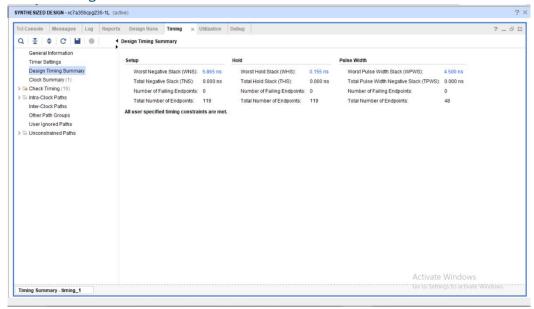
#### 3.2 - Schematic



#### 3.2 - Utilization



### 3.2 – Timming

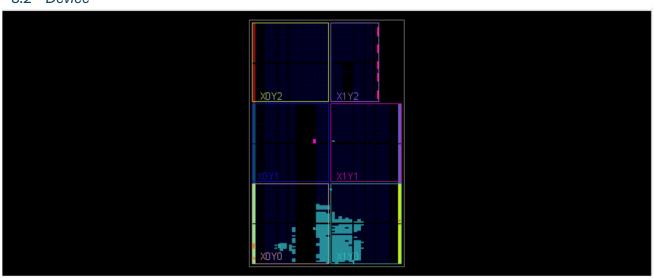


### 5- Implementation snippets after choosing the encoding

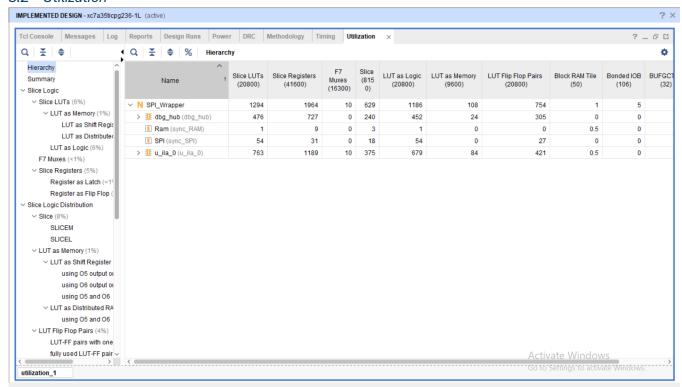
### 3.1 - Massage



### 3.2 - Device



#### 3.2 - Utilization



### 3.2 - Timming

