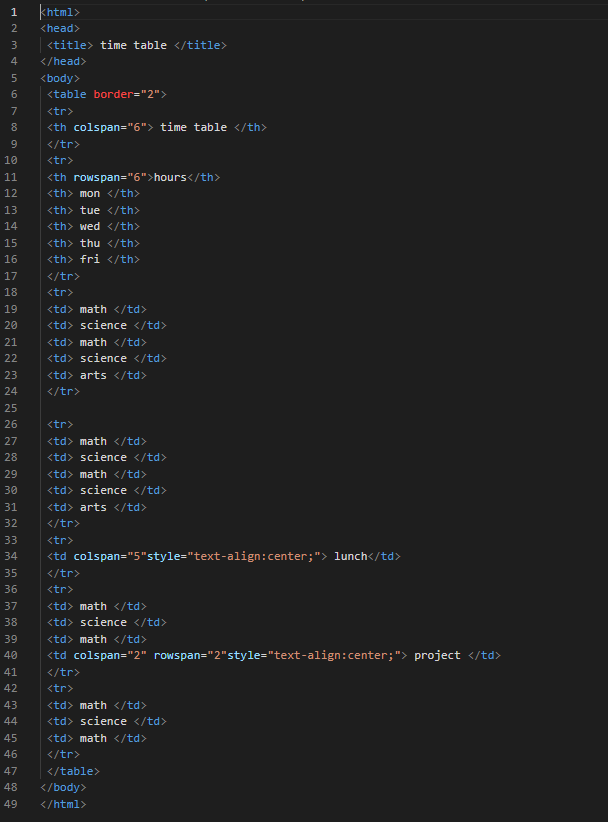
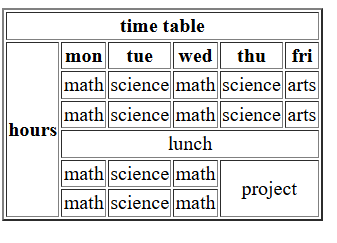
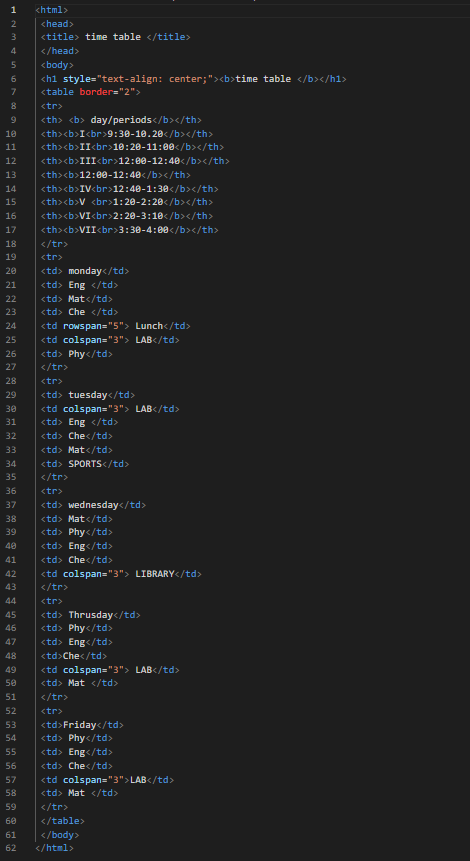
**Program 1:-** 

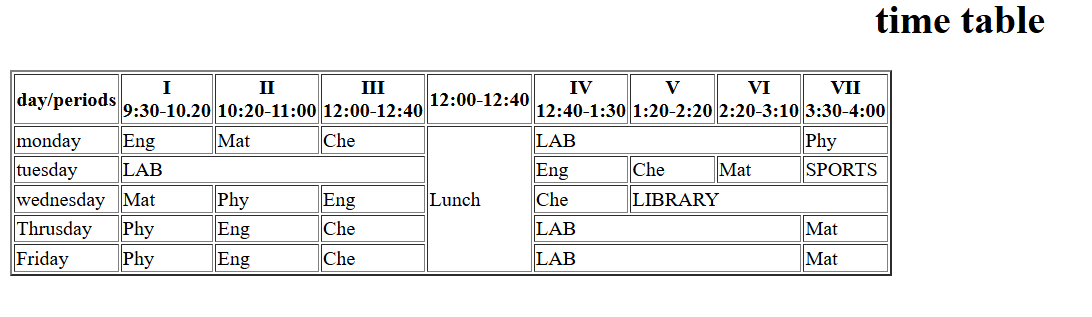
**Output:-**

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**Program 2:-**

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**Output:-**

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