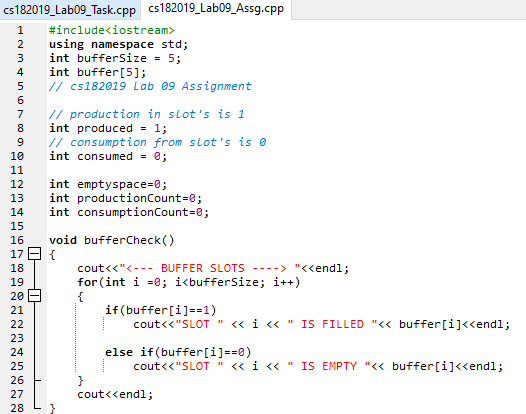
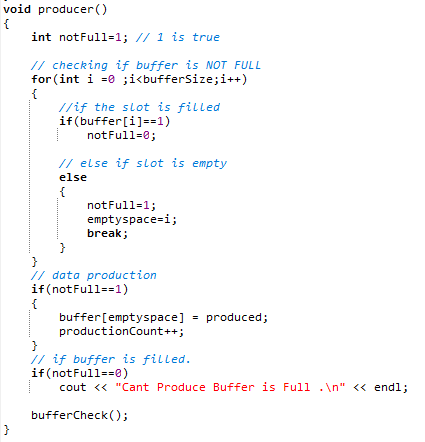
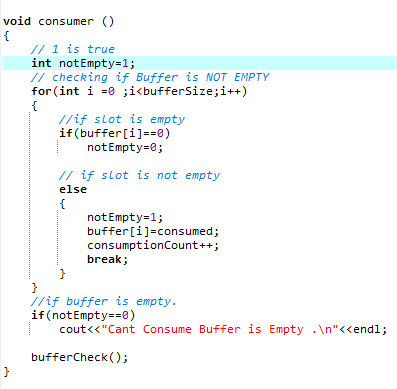
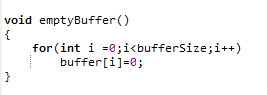
**CODE SCREENSHOTS­**

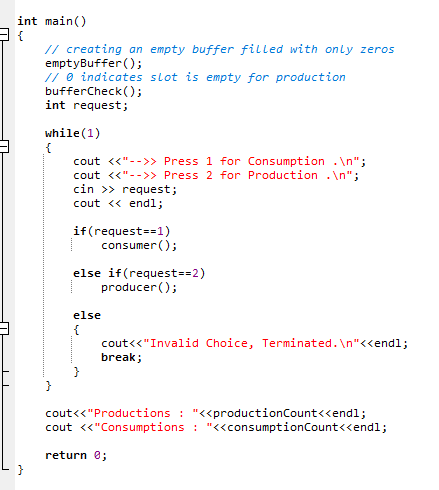
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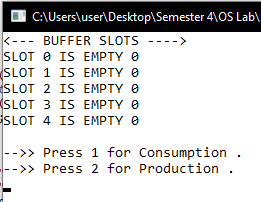
**Continued…..**

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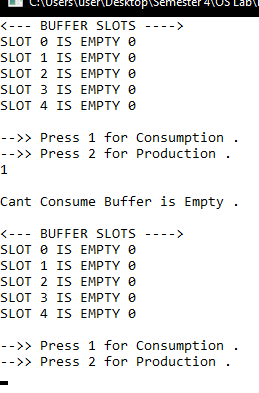
**Continued….**

**CODE OUTPUT**

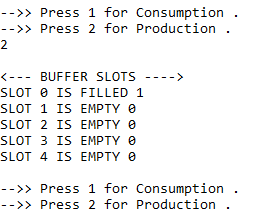
**\*starting with empty buffer**

****

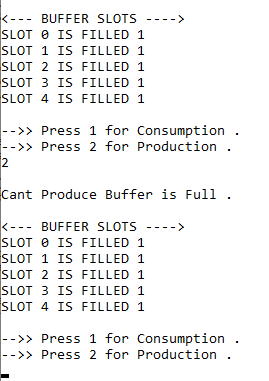
**\*checking consume on empty buffer**

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**\*producing**

****

**\*filling all slots and checking production**

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