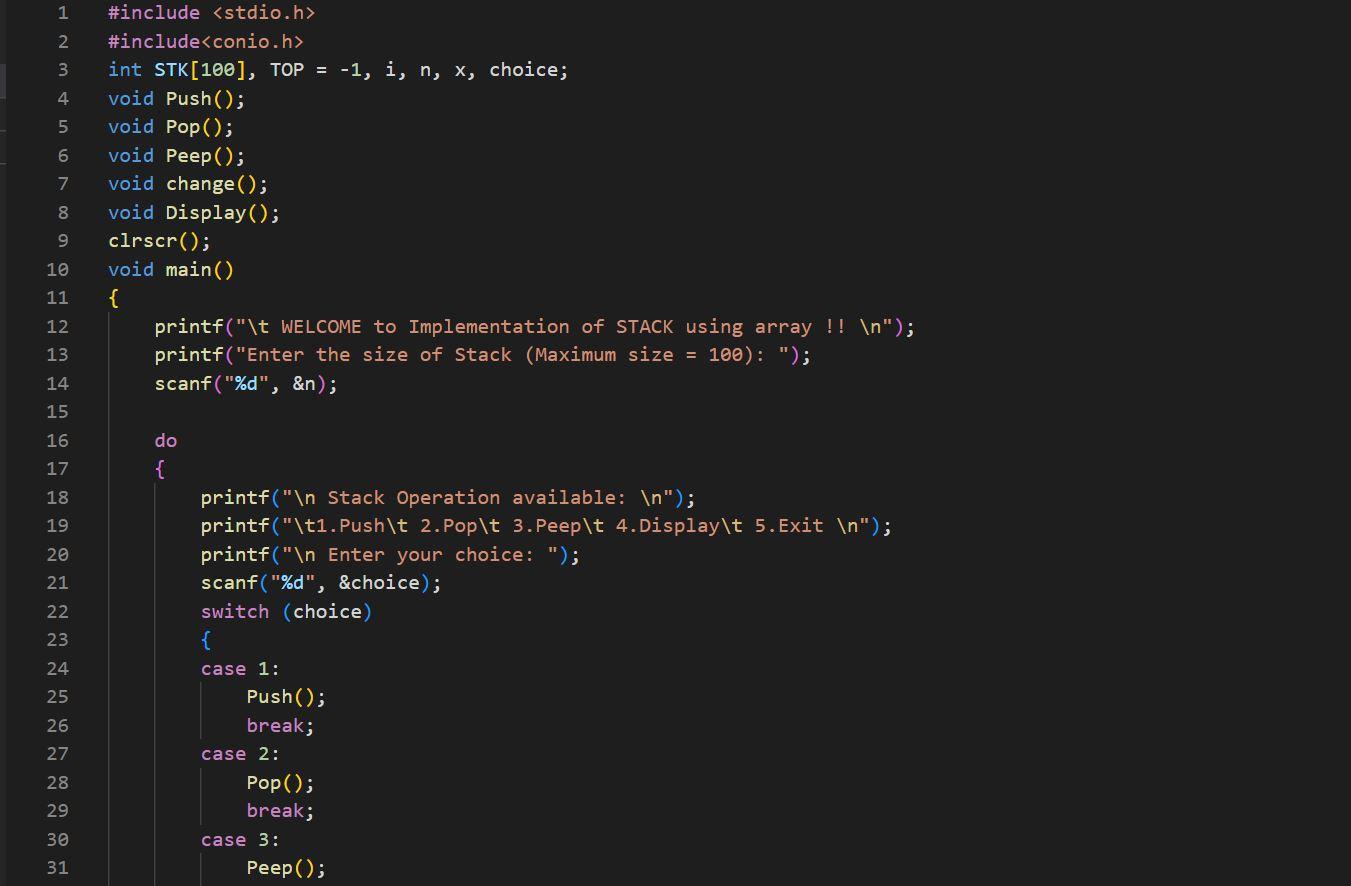
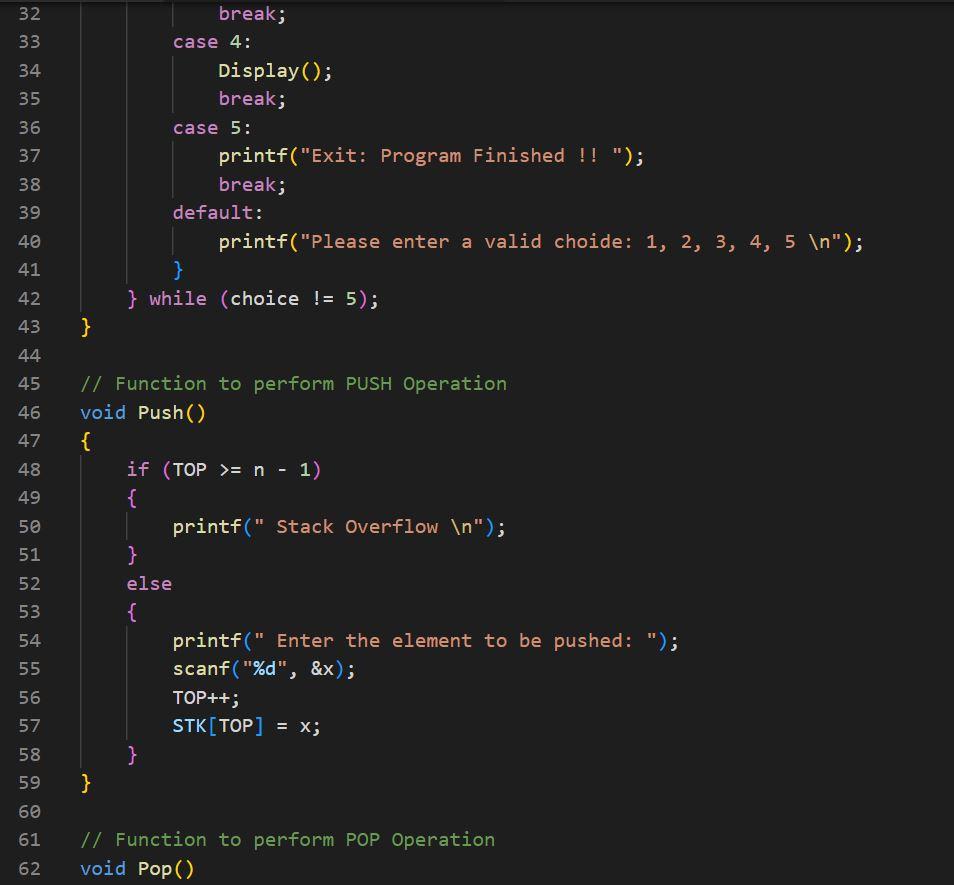
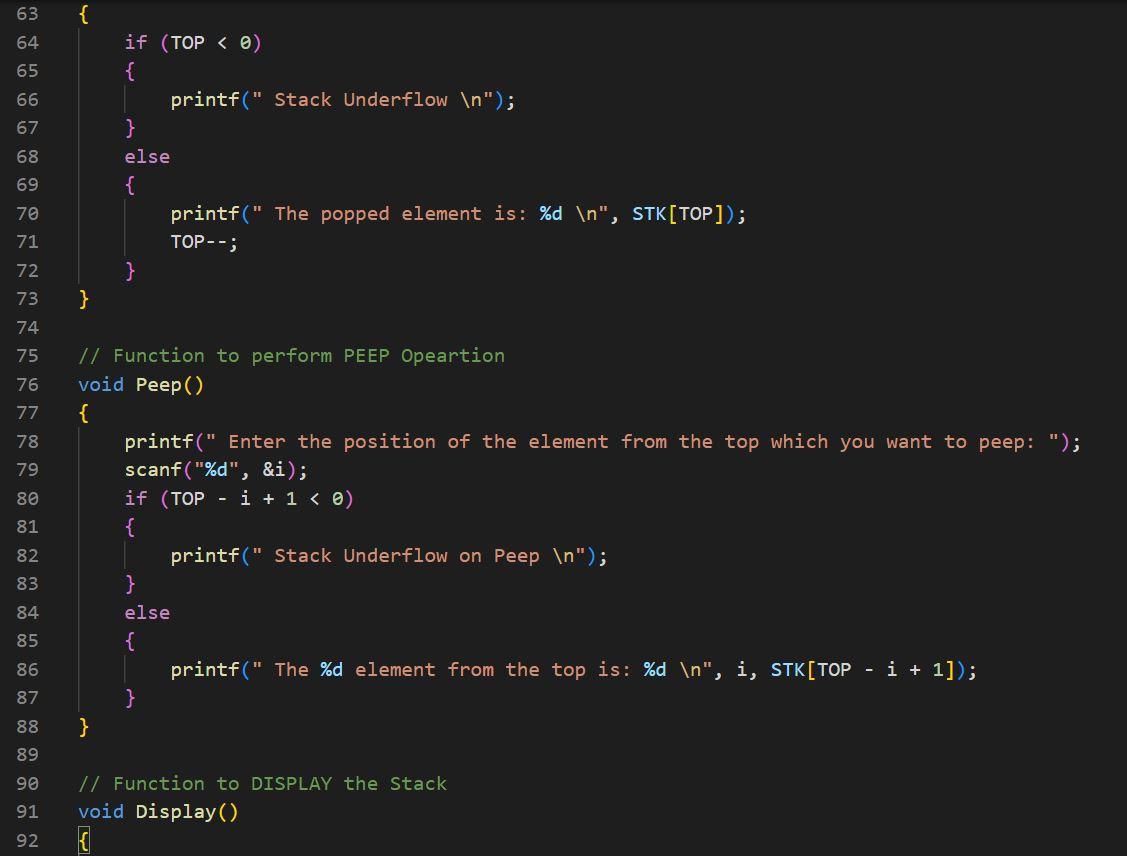
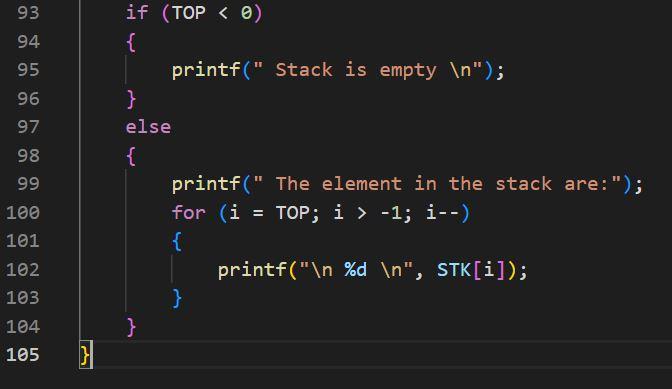
**Scouce code :**

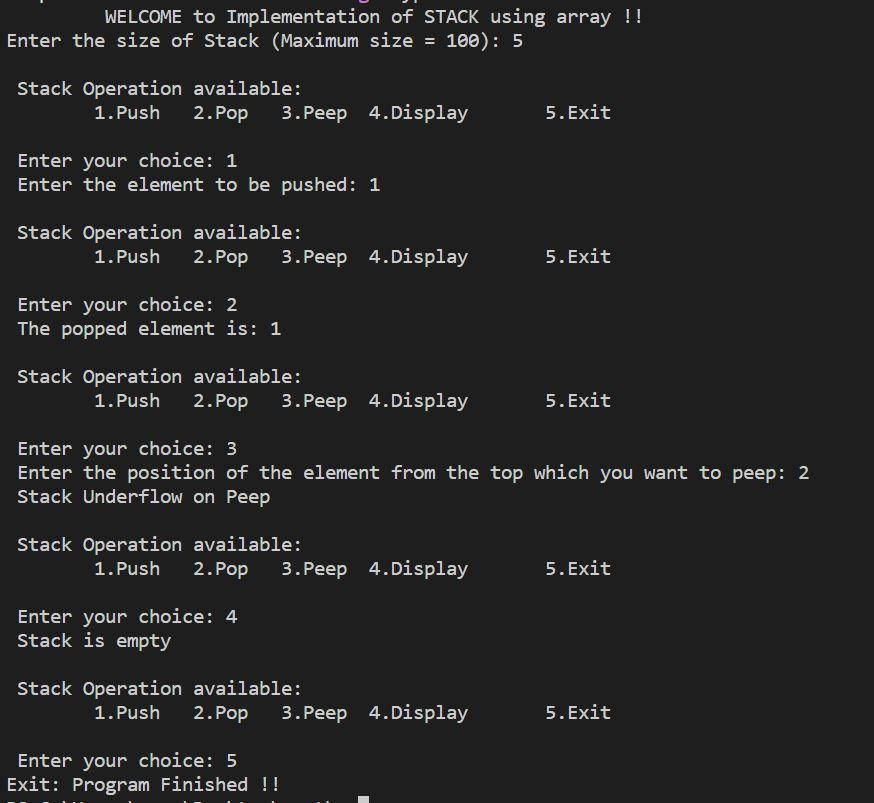
**1)**

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**2)**

**3)**

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**Output:**