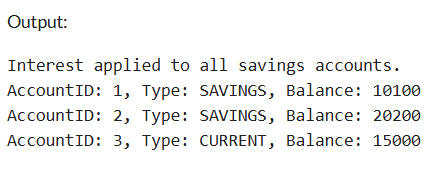
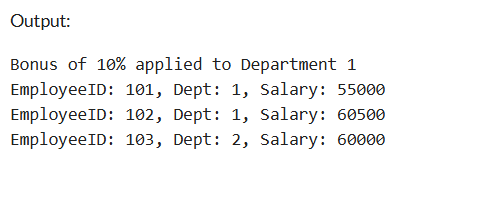
**OUTPUT**

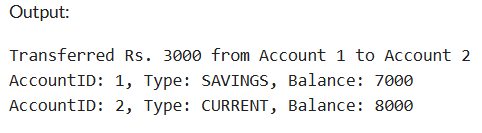
**Scenario 1:**

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**Scenario 2:**

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**Scenario 3:**

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