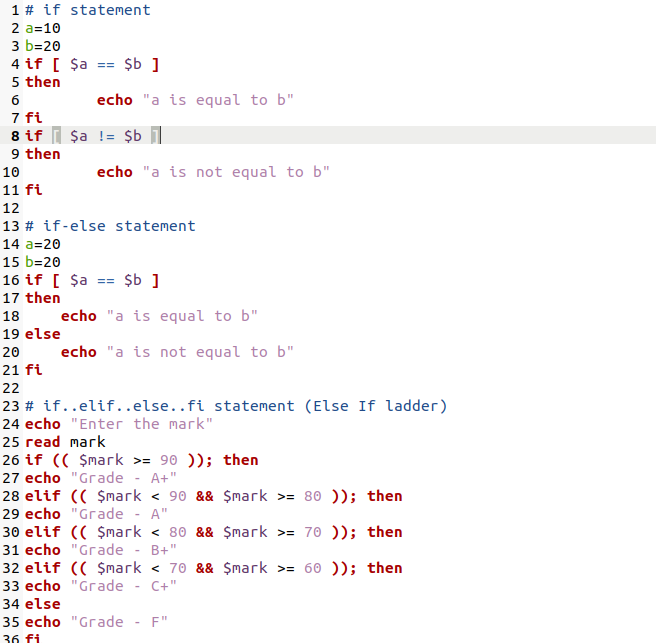
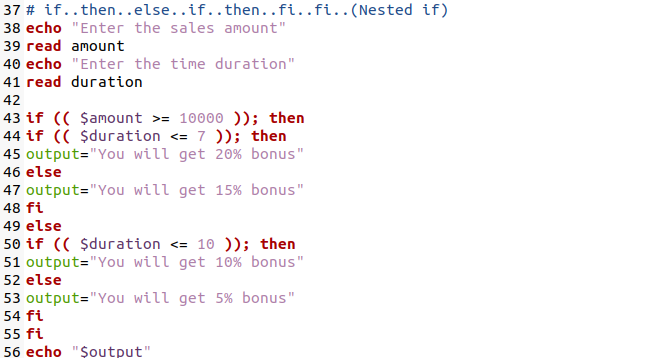
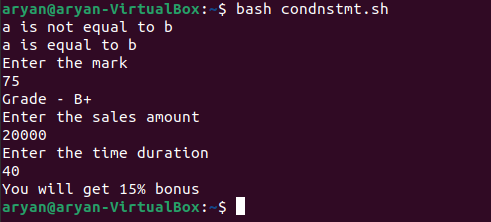
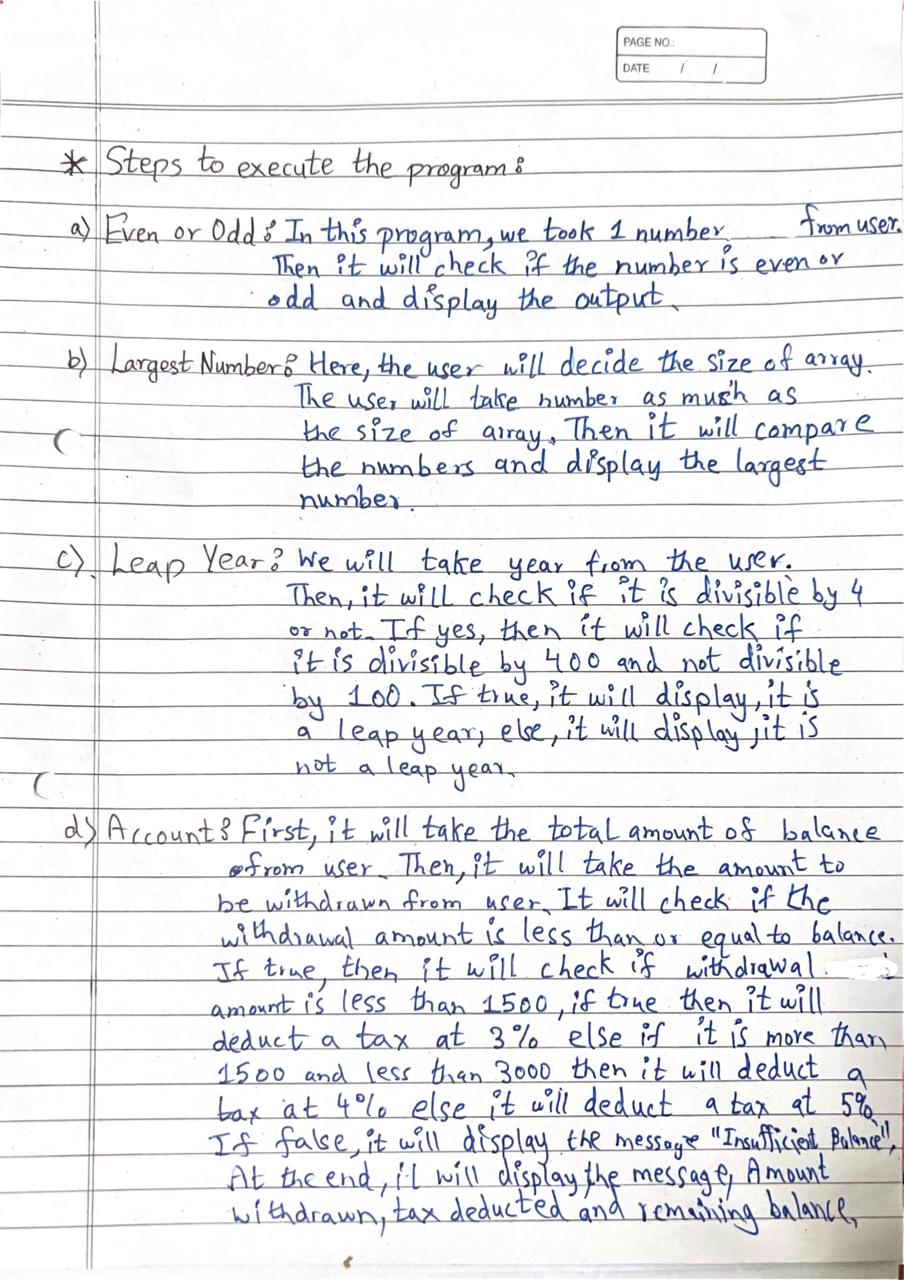


**PROGRAM:**

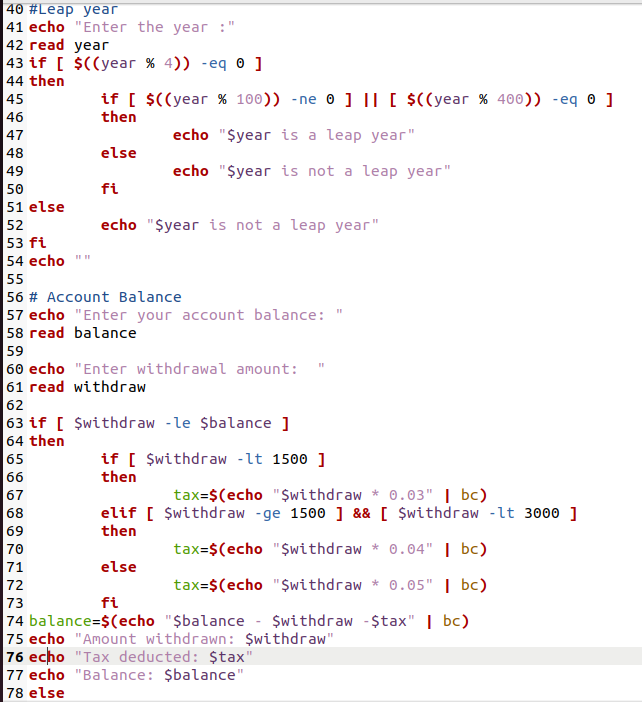








**CODE:**

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**OUTPUT**:

