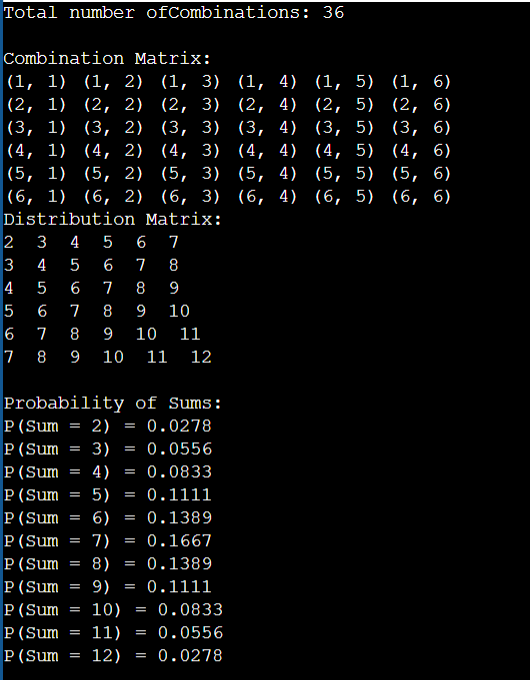
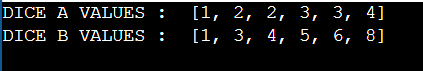
**Code Outputs:**

1. **PartA\_Code.py output :**

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1. **PartB\_code.py output:**

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