



```
<terminated> Main (3) [Java Application] C:\Users\bhuv\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (17-Jun-2025, 9:15:44 pm - 9:15:44 pm) [pid: 19200]
Predicted future value after 5 years: ₹16105.100000000008
```

We used recursion to calculate future financial value by applying a growth rate each year. Each year calls the previous year's value and multiplies the growth. The final output shows how the money grows over time. Recursion is simple, but for many years, it's better to use direct formula or loop.