

# Financial Forecasting

```
Program.cs > FinancialForecast > Main
1  using System;
2
3  0 references
4  class FinancialForecast
5  {
6      2 references
7      public static double PredictFutureValue(double principal, double rate, int years)
8      {
9          if (years == 0)
10             return principal;
11             return (1 + rate) * PredictFutureValue(principal, rate, years - 1);
12     }
13
14     0 references
15     static void Main()
16     {
17         double principal = 10000;
18         double rate = 0.05;
19         int years = 5;
20
21         double futureValue = PredictFutureValue(principal, rate, years);
22         Console.WriteLine($"Future Value after {years} years: {futureValue:C}");
23     }
24 }
```

OUTPUT:

```
PS C:\Users\Lenovo\OneDrive\Desktop\C#\Financial Forecasting> dotnet run
Future Value after 5 years: ₹ 12,762.82
PS C:\Users\Lenovo\OneDrive\Desktop\C#\Financial Forecasting> 
```