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**I.T. – 6**

**Emulate Salami Slicing Attack**

**SalamiSlicing.java**

import java.util.Scanner;  
import java.text.DecimalFormat;  
  
public class SalamiSlicing {  
 public static void main(String[] args) {  
 Scanner input = new Scanner(System. in );  
  
 double principal = 0;  
 double rate = 0;  
 double time = 0;  
  
 double compoundInterest = 0;  
  
 System.out.print("Enter the Principal amount : ");  
 principal = input.nextDouble();  
  
 System.out.print("Enter the Rate : ");  
 rate = input.nextDouble();  
  
 System.out.print("Enter the Time : ");  
 time = input.nextDouble();  
  
 compoundInterest = principal \* Math.pow((1 + rate / 100), time);  
  
 System.out.println("");  
 System.out.println("The Calculated Compound Interest is : " + compoundInterest);  
  
 DecimalFormat df2 = new DecimalFormat("###,###.00"); //Formats the actual interest  
 double dd = compoundInterest;  
 double dd2dec = new Double(df2.format(dd)).doubleValue();  
  
 System.out.println("Compound Interest is : " + dd2dec);  
  
 System.out.println("Profit earned by Salami Slicing: " + (dd2dec - compoundInterest));  
 }  
}

**OUTPUT:**

**C:\Users\Ashesh\Documents\Prog\SWS>java SalamiSlicing**

**Enter the Principal amount : 50**

**Enter the Rate : 4.54**

**Enter the Time : 5**

**The Calculated Compound Interest is : 62.428440070960264**

**Compound Interest is : 62.43**

**Profit earned by Salami Slicing: 0.0015599290397361187**