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| --- |
| import java.util.\*; |
|  |  |
|  | class SiCi { |
|  | public double simpleInterest(double principalAmount,int time,double interestRate){ |
|  | double SI=(principalAmount\*interestRate\*time)/100; |
|  | return SI; |
|  | } |
|  | public double compoundInterest(double principalAmount,int time,double interestRate){ |
|  | double CI=principalAmount\*Math.pow(1.0+interestRate/100.0, time)-principalAmount; |
|  | return CI; |
|  | } |
|  | } |
|  | public class Assignment1Q3 { |
|  |  |
|  | public static void main(String[] args) { |
|  | Scanner sc=new Scanner(System.in); |
|  | double p,r,Si,Ci; |
|  | int t; |
|  | System.out.println("Enter Amount: "); |
|  | p=sc.nextDouble(); |
|  | System.out.println("Enter Rate: "); |
|  | r=sc.nextDouble(); |
|  | System.out.println("Enter Time: "); |
|  | t=sc.nextInt(); |
|  | SiCi ob=new SiCi(); |
|  | Si=ob.simpleInterest(p, t, r); |
|  | Ci=ob.compoundInterest(p, t, r); |
|  | System.out.println("Simple Interest: "+Si); |
|  | System.out.println("Compound Interest:"+ Ci); |
|  |  |
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|  |  |
|  | } |
|  |  |
|  | } |