3. Simple and Compound Interest

**package** com.cap;

**import** java.util.Scanner;

**public** **class** SIandCI {

**public** **static** **void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("Enetr the priniple Amount: ");

**double** p=sc.nextDouble();

System.***out***.println("Enetr the rate: ");

**double** r=sc.nextDouble();

System.***out***.println("Enetr the time: ");

**double** t=sc.nextDouble();

System.***out***.print("Enter number of times interest is compounded: ");

**int** num = sc.nextInt();

**double** SI= (p\*t\*r)/100;

System.***out***.println("The Simple Interest is "+SI);

**double** CI = p \* (Math.*pow*((1 + r/100), (t \* num))) - p;

System.***out***.println("The Compound Interest is "+CI);

}

}