

3

```
class assignment3 {  
    public static double simpleInterest(double principalAmount,int  
time,double interestRate){  
        return ((principalAmount*time*interestRate)/100);  
    }  
    public static double compoundInterest(double principalAmount,int  
time,double interestRate){  
        double x=Math.pow(1+interestRate,time);  
        return principalAmount*x-principalAmount;  
    }  
}
```

```
public class assignment03 extends assignment3{  
    public static void main (String args[]) {  
        System.out.println(simpleInterest(1000.0, 2, 10.0));  
        System.out.println(compoundInterest(1000.0,2,10.0));  
    }  
}
```