**YouTube tutorial 23.**

The code written is as follows:

**class** apples{

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

**double** amount;

**double** principal = 10000;

**double** rate = .01;

**for**(**int** day=1; day<=20; day++){

amount = principal\*Math.*pow*(1 + rate, day);

// Math.pow stands for Math power. And inside bracket, there are 2 arguments, first the number, and second the exponent. //

System.*out*.println(day + " "+amount);

// The empty space inside the “” is only to give space to the result. (no big deal) //

}

}

}

Initial formula given by bucky was : A=P(1+R)^n

The result is as follows:

1 10100.0

2 10201.0

3 10303.010000000002

4 10406.0401

5 10510.100501

6 10615.201506010002

7 10721.353521070101

8 10828.567056280803

9 10936.852726843608

10 11046.221254112046

11 11156.683466653165

12 11268.250301319698

13 11380.932804332895

14 11494.742132376226

15 11609.689553699987

16 11725.786449236988

17 11843.044313729357

18 11961.47475686665

19 12081.089504435316

20 12201.900399479671