Write a program to calculate the deposits of the depositors. The records on May 1st 2020 were stored in this file “Exam0201.txt” in the format of “Name deposits period”. And the interest rate is shown as table 1.

Table 1. Interest rate per year

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| deposits | 0 | 1year | 2years | 3years | 5years or more |
| <100 | 0% | 1.0% | 1.2% | 1.5% | 1.75% |
| 100 to <1000 | 1.0% | 1.5% | 1.75% | 2.0% | 2.5% |
| 1,000 to <10,000 | 1.2% | 1.75% | 2.0% | 2.5% | 3.0% |
| 10,000 to <100,000 | 1.25% | 2.0% | 2.25% | 3.0% | 3.75% |
| 100,000 and above | 1.27% | 2.5% | 2.75% | 3.5% | 4.25% |

The program should fulfil the following tasks.

1. Input date in the format “year month day”
2. Calculate the interests and total deposits.