

There is a text file including student name and ID number. Student ID needs ID numbers to set up. But some student give the wrong ID number. So you need to check whether the ID number is correct or not. Then you can give them their student ID. Here is the rule of ID number and student number:

ID number:

First character is an English alphabet(A-Z) and following by nine numbers. If the sum of number can be divisible by 10, the ID number is correct!

Ex: A123412359 $\rightarrow(1+2+3+4+1+2+3+5+9)\%10=0\rightarrow$ correct!

B256214536 $\rightarrow(2+5+6+2+1+4+5+3+6)\%10=4\rightarrow$ wrong!

C12563214 $\rightarrow$ just eight numbers $\rightarrow$ wrong!

Student number:

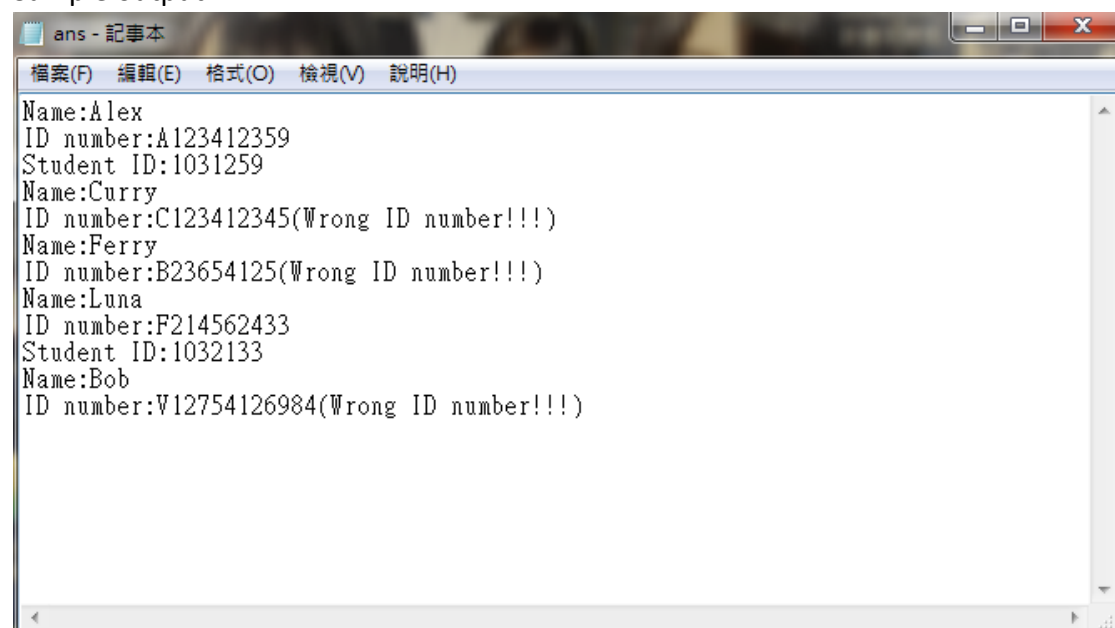
Student number is produced by ID number. If the ID number is wrong, you cannot give them student number. Student is 103XXXX. First and second number of X is from ID number's first and second number. Third and forth number of X is from ID number's last two numbers.

EX:A123412359 $\rightarrow$ Student number:1031259

Requirement:

1. Use two class, Register and StudentID. Student's name and ID number are in class Register and student number in class StudentID.
2. There is a function Verify\_ID you should write in class Register.
3. Class StudentID derived class Register, so you can use Verify\_ID or other members in class StudentID.
4. There is a text file "test.txt" you need to read. And output a text file "ans.txt" to save your answer like sample output.

Sample output:



```
ans - 記事本
檔案(F) 編輯(E) 格式(O) 檢視(V) 說明(H)
Name:Alex
ID number:A123412359
Student ID:1031259
Name:Curry
ID number:C123412345(Wrong ID number!!!)
Name:Ferry
ID number:B23654125(Wrong ID number!!!)
Name:Luna
ID number:F214562433
Student ID:1032133
Name:Bob
ID number:V12754126984(Wrong ID number!!!)
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