1. Add a new cpp file to your project, named “quiz5.cpp”. This file contains just a program shell in which you will write all the programming statements needed to complete the program. Here is a copy of the current contents of quiz5.cpp.

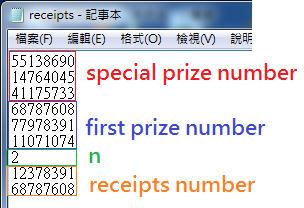
*// quiz5.cpp  
// WRITE A COMMENT BRIEFLY DESCRIBING THE PROGRAM.  
// PUT your StudentID HERE.  
// INCLUDE THE FILE NEEDED TO DO I/O***using** **namespace** std;  
  
int main()  
{  
 *// DECLARE ALL NEEDED VARIABLES HERE. GIVE EACH ONE A DESCRIPTIVE* *// NAME AND AN APPROPRIATE DATA TYPE.* int specialPrizeNumbers[3];

int firstPrizeNumbers[3];

int myNumber;

int totalPrize = 0;  
 *// WRITE STATEMENTS HERE TO PROMPT FOR AND INPUT THE INFORMATION* *// THE PROGRAM NEEDS TO GET FROM THE USER.*  
 *// WRITE STATEMENTS HERE TO PERFORM ALL NEEDED COMPUTATIONS* *// AND ASSIGN THE RESULTS TO VARIABLES.*   
 *// WRITE STATEMENTS HERE TO DISPLAY THE REQUESTED INFORMATION.* cout<<”I can get NT$ ”<<totalPrize<<endl;  
 **return** 0;  
}

1. Create a program that can help us to check the government receipts/Invoice numbers.
   * Here are two kinds of winning numbers, special prize and first prize number.
   * Awarding rules shows below. (More Information http://en.wikipedia.org/wiki/Uniform\_Invoice\_lottery)
2. NT$2 million for matching all the digits from the above **special prize winning number.**
3. NT$200,000 for matching all the digits from any of the above **first prize winning numbers.**
4. NT$40,000 for matching the last seven digits from any of the **first prize winning numbers.**
5. NT$10,000 for matching the last six digits from any of the **first prize winning numbers.**
6. NT$4,000 for matching the last five digits from any of the **first prize winning numbers.**
7. NT$1,000 for matching the last four digits from any of the **first prize winning numbers.**
8. NT$200 for matching the last three digits from any of the **first prize winning numbers.**
9. In our program, we need “receipts.txt” as a data file to be read in. The file consists of series of numbers. The 1st to 3rd numbers are special prize numbers and the 4th to 6th numbers are first prize numbers. The 7th line is a integer n indicating the number of receipts we have. The following n lines are the receipts number. Here shows an example of receipts.txt .



In this example, we can receive 204000 NT$

4.To implement the program, you need to read in the “receipts.txt” file and store the special prize number to specialPrizeNumbers array and first prize number to firstPrizeNumbers array. Then use the function named “prize” to calculate how much money can **a** receipt win. For the function you need to pass the specialPrizeNumbers array , firstPrizeNumbers array and your receipt number then the function return the money that **a** receipt win.

Finally, in the main function you should print the sum of money you get.

助教檢查結果(解答)

211000