A3261576 林郁翔 說明檔

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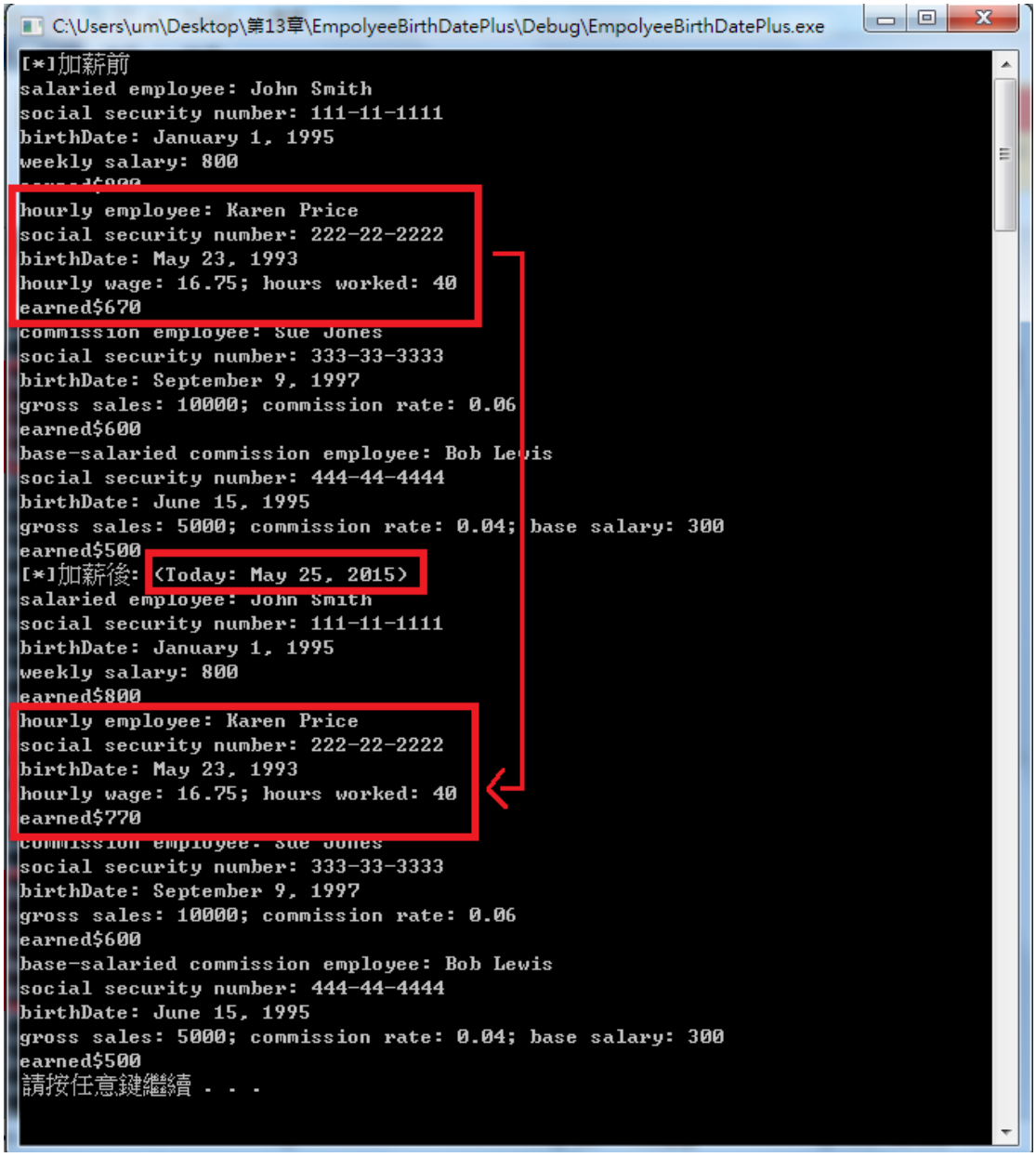
13-12:

解說:這題我把 2015 年 5 月 25 日當作判斷加薪的依據，若生日在該月則加入 $100 元進該員工的薪資如下:



我在 Date 新增一個方法能夠取得月份

```
class Date
{
    friend ostream &operator<<(ostream &, const Date &);
public:
    Date(int m = 1, int d = 1, int y = 1900); // default
    void setDate(int, int, int); // set month, day, year
    Date &operator++(); // prefix increment operator
    Date operator++(int); // postfix increment operator
    const Date &operator+=(int); // add days, modify obj
    static bool leapYear(int); // is date in a leap year
    bool endOfMonth(int) const; // is date at the end of
    int getMouth();
private:
    int month;
    int day;
    int year;
```

這我新增一個方法
快速取月份來判斷

```
// calculate earnings; override pure virtual function earnings in Employee
double CommissionEmployee::earnings() const
{
    return getCommissionRate() * getGrossSales() + Employee::getAddEarning();
} // end function earnings
```

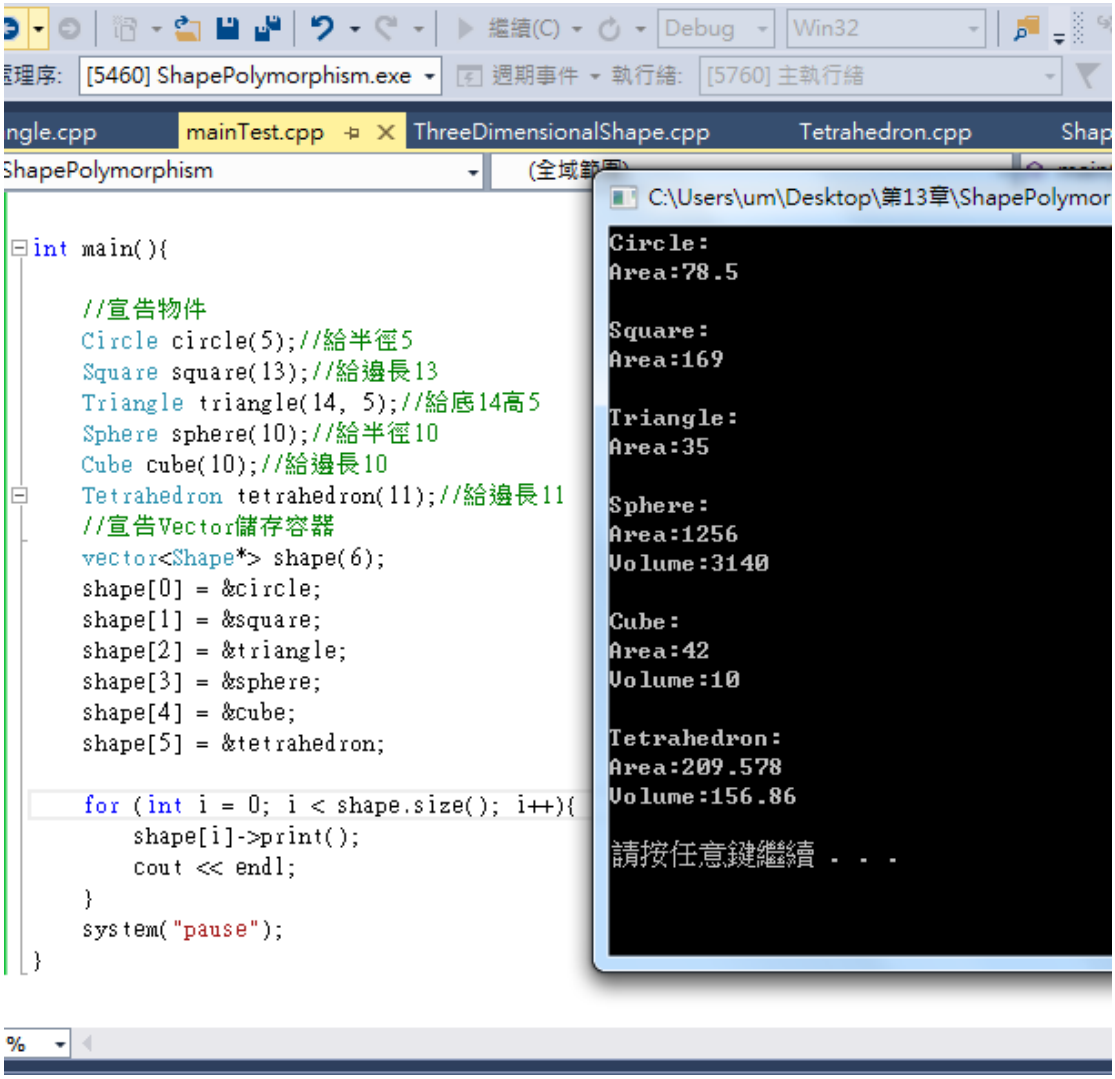
可直接加在earnings 方法return的後面,達成偷懶的效果
這裡我原本想法是把const去掉,然後在把SET 跟 GET寫在earnings 裡面然後宣告一個earning來存他,再用這earning去加100,不過太麻煩了,這樣寫感覺比較輕鬆

當然其衍生類別的4個earnings都要加 這裡舉一圖作範例

```
    void setbirthDate(int=1,int=1,int=1990);
    Date getbirthDate()const;
    int getMonth();
    void AddEarning(double);
    int getAddEarning()const;
private:
    string firstName;
    string lastName;
    string socialSecurityNumber;
    Date birthDate;
    double addEarning=0;//加薪金額
```

在Employ抽象類別新增的屬性

13-13



這題就列出彼此繼承關係然後，然後用繼承寫出來
然後我有三個抽象類別(TwoDimensionalShape, ThreeDimensionalShape,Shape)和六個具體類別(即 ScreenShot 上的)