## 第5次練習-練習-PC5

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本份文件包含以下主題:(至少需下面兩項,若是有多者可以自行新增)

- ■說明內容
- ■個人認為完成作業須具備觀念

## 說明程式與內容

宣告一個二為陣列ia\_2DArr及一為陣列ia\_Money,接著建立兩個方法,一個用來處理最多錢的和另個則處理最小金錢的和,再逐一進行判斷,最後回傳值,即可得到最後的結果,下段程式碼為使用後結果:

```
namespace 111 1PC5
{
    public partial class Test : System.Web.UI.Page
        protected void Page_Load(object sender, EventArgs e)
        {
            int[] ia Money = new int[19]
            {
                10000, 36, 720, 360, 80,
                252, 108 , 72 , 54 , 180,
                72, 180, 119, 36, 306,
                1080, 144, 1800, 3600
            };
            int[,] ia 2DArr = new int[3, 3]
            {
               { 7, 8, 9},
               { 1, 4, 3},
               { 2, 5, 6},
            };
            //mt_GetMost(ia_2DArr, ia_Money);
            Response.Write("可獲得最多錢的和為:"+mt_GetMost(ia_2DArr, ia_Money)+"、
            Response.Write("可獲得最少錢的和為:"+mt_GetLeast(ia_2DArr, ia_Money));
```

about:blank 1/4

```
2022/10/12 下午1:58
                                               Markdown Preview
          int mt_GetMost(int[,] ia_2DArr, int[] ia_Money)
           {
               int i MaxMoney = ∅;
               int i MaxSum = ∅;
               for (int i Row = 0; i Row < ia 2DArr.GetLength(0); i Row++)</pre>
               {
                   //V 3 Col
                   int i_Sum = 0;
                   int i TmpMoney = 0;
                   for (int i Col = 0; i Col < ia 2DArr.GetLength(1);i Col++)</pre>
                   {
                       i Sum += ia 2DArr[i Row,i Col];
                   i_TmpMoney = ia_Money[(i_Sum - 6)];
                   if (i_TmpMoney > i_MaxMoney) {
                       i MaxSum = i_Sum;
                       i_MaxMoney = i_TmpMoney;
                   i_Sum = 0;
                   //V 3 Row
                   for (int i_Col = 0; i_Col < ia_2DArr.GetLength(1); i_Col++)</pre>
                       i_Sum += ia_2DArr[i_Col, i_Row];
                   }
                   i_TmpMoney = ia_Money[(i_Sum - 6)];
                   if (i TmpMoney > i MaxMoney)
                   {
                       i MaxSum = i Sum;
                       i MaxMoney = i TmpMoney;
                   }
                   //V 2 incline
                   i Sum = ia 2DArr[0, 0] + ia 2DArr[1, 1] + ia 2DArr[2, 2];
                   i TmpMoney = ia Money[(i Sum - 6)];
                   if (i TmpMoney > i MaxMoney)
                   {
                       i_MaxSum = i_Sum;
                       i_MaxMoney = i_TmpMoney;
```

about:blank 2/4

i\_TmpMoney = ia\_Money[(i\_Sum - 6)];

if (i\_TmpMoney > i\_MaxMoney)

i\_Sum = ia\_2DArr[0, 2] + ia\_2DArr[1, 1] + ia\_2DArr[2, 0];

}

```
{
            i_MaxSum = i_Sum;
            i MaxMoney = i TmpMoney;
        }
    }
    return i_MaxSum;
}
int mt GetLeast(int[,] ia 2DArr, int[] ia Money)
{
    int i_MinMoney = 0;
    int i MinSum = ∅;
    for (int i_Row = 0; i_Row < ia_2DArr.GetLength(0); i_Row++)</pre>
    {
        //V 3 Col
        int i_Sum = 0;
        int i_TmpMoney = 0;
        for (int i_Col = 0; i_Col < ia_2DArr.GetLength(1); i_Col++)</pre>
        {
            i_Sum += ia_2DArr[i_Row, i_Col];
        }
        i_TmpMoney = ia_Money[(i_Sum - 6)];
        if (i_MinMoney == 0)
        {
            i_MinMoney = i_TmpMoney;
        }
        if (i TmpMoney <= i MinMoney)</pre>
            i_MinSum = i_Sum;
            i_MinMoney = i_TmpMoney;
        i_Sum = 0;
        //V 3 Row
        for (int i Col = 0; i Col < ia 2DArr.GetLength(1); i Col++)</pre>
        {
            i_Sum += ia_2DArr[i_Col, i_Row];
        }
        i_TmpMoney = ia_Money[(i_Sum - 6)];
        if (i_TmpMoney <= i_MinMoney)</pre>
        {
            i_MinSum = i_Sum;
            i_MinMoney = i_TmpMoney;
```

about:blank 3/4

```
}
                 //V 2 incline
                 i_Sum = ia_2DArr[0, 0] + ia_2DArr[1, 1] + ia_2DArr[2, 2];
                 i TmpMoney = ia Money[(i Sum - 6)];
                 if (i_TmpMoney <= i_MinMoney)</pre>
                 {
                     i MinSum = i Sum;
                     i_MinMoney = i_TmpMoney;
                 i_Sum = ia_2DArr[0, 2] + ia_2DArr[1, 1] + ia_2DArr[2, 0];
                 i_TmpMoney = ia_Money[(i_Sum - 6)];
                 if (i_TmpMoney <= i_MinMoney)</pre>
                 {
                     i_MinSum = i_Sum;
                     i_MinMoney = i_TmpMoney;
                 }
            }
            return i_MinSum;
        }
    }
}
```

## 個人認為完成作業須具備觀念

需搞懂此項題目所想表達的問題及解決,並思考其所架構的邏輯應如何建構,並使用變數及迴圈來完成題目所想要的答案,其中對於邏輯變數一定要理解,否則很容易出錯。

about:blank 4/4