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第2次作業-作業-HW2

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作業撰寫時間:180 (mins,包含程式撰寫時間)

最後撰寫文件日期: 2022/10/12

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

```
char[,] ia_Map = new char[10, 10];
              int[] ia_MIndex = new int[10] { 0, 7, 13, 28, 44, 62, 74, 75, 87,
             for (int i_Row = 0; i_Row < ia_Map.GetLength(0); i_Row++) {</pre>
                  for (int i_Col = 0; i_Col < ia_Map.GetLength(1); i_Col++) {</pre>
                      ia_Map[i_Row, i_Col] = '0';
                  }
              }
              //放上炸彈
             for (int i_Ind = 0; i_Ind < ia_MIndex.Length; i_Ind++) {</pre>
                  int i_Row = (ia_MIndex[i_Ind] / ia_Map.GetLength(1));
                  int i_Row = ia_MIndex[i_Ind] % (ia_Map.GetLength(1));
                  ia_Map[i_Row, i_Col] = '*';
             }
             //處裡周邊數字
              for (int i_Ind = 0; i_Ind < ia_MIndex.Length; i_Ind++) {</pre>
                  int i_Row = (ia_MIndex[i_Ind] / ia_Map.GetLength(1));
                  int i_Row = ia_MIndex[i_Ind] % (ia_Map.GetLength(1));
                  mt_CalBombValue(ref ia_Map, i_Row, i_Col, ia_Map.GetLength(0),
              }
             for (int i_Ind = 0; i_Ind < ia_MIndex.Length; i_Ind++)</pre>
                  int i_Row = (ia_MIndex[i_Ind] / ia_Map.GetLength(1));
                  int i_Row = ia_MIndex[i_Ind] % (ia_Map.GetLength(1));
                  Response.Write(ia_Map[i_Row, i_Col]) = '*';
             }
         }
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```

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```
void mt_CalBombValue(ref char[,] ia_Map, int i_Row, int i_Col, int i_Max
    bool b IsBomb = mt IsBomb(ref ia Map, i Row - 1, i Col - 1, i MaxR,
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row -1, i_Col -1);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row - 1, i_Col, i_MaxR, int i_Max
    if (b IsBomb == false)
        mt_Addone(ref ia_Map, i_Row - 1, i_Col);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row + 1, i_Col + 1, i_MaxR, int i
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row + 1, i_Col + 1);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row, i_Col - 1, i_MaxR, int i_Max
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row, i_Col - 1);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row, i_Col + 1, i_MaxR, int i_Max
    if (b IsBomb == false)
        mt_Addone(ref ia_Map, i_Row, i_Col +1);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row, i_Col + 1, i_MaxR, int i_Max
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row, i_Col + 1);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row + 1, i_Col - 1, i_MaxR, int i
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row + 1, i_Col - 1);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row + 1, i_Col, i_MaxR, int i_Maxr
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row + 1, i_Col);
    b_IsBomb = mt_IsBomb(ref ia_Map, i_Row + 1, i_Col + 1, i_MaxR, int i_
    if (b_IsBomb == false)
        mt_Addone(ref ia_Map, i_Row - 1, i_Col - 1);
}
bool mt_IsBomb(ref char[,] ia_Map, int i_Row, int i_Col, int i_MaxR, int
    bool b_IsBomb = false;
    if (ia_Map[i_Row, i_Col] == '*') {
        b_IsBomb = true;
    }
    else if (i_Row < 0 \mid | i_Row >= i_MaxR) {
        b IsBomb = true;
                                                                     >
```

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```
}
else if (i_Col < 0 || i_Col >= i_MaxC){
    b_IsBomb = true;
}

return b_IsBomb;
}
void mt_Addone(ref char[,] ia_Map, int i_Row, int i_Col) {
    int IValue = Convert.ToInt32(ia_Map[i_Row, i_Col]);
    IValue++;
    ia_Map[i_Row,i_Col] = Convert.ToChar(IValue)
}
```

個人認為完成作業須具備觀念

需使用for迴圈,還須用到屬性轉換等與陣列建立等方法。

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