

SANYAM AGRAWAL – SE21UCSE192 – CSE3

DAA Lab Assignment 6

Case1:

```
char city[4][4] = {{ 'T', 'P', 'T', 'T' },  
                   { 'T', 'P', 'T', 'P' },  
                   { 'P', 'P', 'P', 'T' },  
                   { 'T', 'T', 'T', 'T' }};
```

Output1:

```
sanyam@SANYAM: ~/os  x  +  v  
sanyam@SANYAM:~/os$ gcc Police_Thief.c -o output  
sanyam@SANYAM:~/os$ ./output  
  
Number of thieves caught in horizontal and upward direction are:->6  
sanyam@SANYAM:~/os$ |
```

Case2:

```
char city[4][4] = {{ 'P', 'P', 'T', 'T' },  
                   { 'T', 'P', 'T', 'T' },  
                   { 'P', 'T', 'T', 'T' },  
                   { 'T', 'T', 'T', 'T' }};
```

Output2:

```
sanyam@SANYAM: ~/os
sanyam@SANYAM:~/os$ gcc Police_Thief.c -o output1
sanyam@SANYAM:~/os$ ./output1

Number of thieves caught in horizontal and upward direction are:->4
sanyam@SANYAM:~/os$
```

Case3:

```
char city[4][4] = {{ 'P', 'P', 'T', 'T'},
                   { 'P', 'T', 'T', 'P'},
                   { 'T', 'P', 'T', 'P'},
                   { 'T', 'P', 'P', 'P'}};
```

Output3:

```
char city[4][4] = {{ 'P', 'P', 'T', 'T'},
                   { 'P', 'T', 'T', 'P'},
                   { 'T', 'P', 'T', 'P'},
                   { 'T', 'P', 'P', 'P'}};
```