*Given the following code segment, identify the output once the execution is completed.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| #include<stdio.h>  int main()   |  |  |  |  | | --- | --- | --- | --- | | [0] | [1] | [2] | [3] | | 1 | 2 | 3 | 4 |   {  int list[4]={1,2,3,4};  int x, \*p=list; //p-->[0] = 1   |  |  |  |  | | --- | --- | --- | --- | | [0] | [1] | [2] | [3] | | 1 | 2 | ~~3~~ **5** | 4 |   list[2] = 5; //replace 3 with 5.  for(x=0;x<4;x++)  printf("%d ", list[x]); // {1,2,5,4}.  printf("\n");   |  |  |  |  | | --- | --- | --- | --- | | [0] | [1] | [2] | [3] | | 1 | 2 | ~~5~~ **7** | 4 |   \*(p+2)=7; //p-->[0+2]=[2] = 7  for(x=0;x<4;x++)  printf("%d ", list[x]); // {1,2,7,4}.  printf("\n");     |  |  |  |  | | --- | --- | --- | --- | | [0] | [1] | [2] | [3] | | 1 | 2 | ~~7~~ **6** | 4 |   p[2]=6; //p[2]-->list[2] = 6  for(x=0;x<4;x++)  printf("%d ", list[x]); // {1,2,6,4}.  printf("\n");     |  |  |  |  | | --- | --- | --- | --- | | [0] | [1] | [2] | [3] | | 1 | 2 | ~~6~~ **5** | 4 |   \*(list+2)=5; //list[0+2]=[2]= 5  for(x=0;x<4;x++)  printf("%d ", list[x]); // {1,2,5,4}.  printf("\n");    return 0;  } |

**Output:**

1 2 5 4

1 2 7 4

1 2 6 4

1 2 5 4