Assignment - L Implement the following programs using User-Defined functions and pass the array as an argument:

1. Find the number of occumences of a given integer NUM from a pre-defined orray.

Source Code:

include < stdio. h> int count (int arr [], int NUM, int len) of

int counter = 0;

for (int i=0; i< len iitt) }

if (arr[i] = - NUM) counter ++;

return counter;

The tell of the tell

int main () } int arr [] = { 2,8,4,5,1,2,2,3,0,5];

return 0;

(1)

int NUM printy (" Enter the no. NUM: ");

scanf (" % d", & NUM);

int hen = size of (arr) /4;

printy (" No . occurrences of % d = % d, NOM, count (arr, NUM, Itn);

Output Input No. of occurrences of 2 = 3 2

(2) 5 No- of occurrences of 5=2 (3)

No. of occurrences of 10 = 1 0

Output Console :-Enter the no. NOM: 5 No. of occurrences of 5 = 2

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2. Reverse the array and store it in a new array REV
 Source Code:
# include < stdio, h>
 void reverse (int arr [], int len) {
       Int REV[len];
       for lint i=0; i x len i i++)
      f. REV[i] = arr [len -i-1];
       3
      printy (" Array after reversing is; \n");
```

for (int 3 = 0; j < Lon; j++) {

Printf (" " REV [j]);

int main () f

z

int arr [] = {2,3,4,5,1,2, 1,3,0,5};

int Len = sizeq(arr) / size of (arr[0]); icacase (dar Tou)? return o;

Dutput. Input Array ofter reversing is: AIM 5,0 3 2 2 1 5 4 3

Output convole:-Array after reversing is 1 5 4 3 50322

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3. Find the largest from an array of integers
Source Code ?
 # include <stdio.h>
 int largest (int arr [], int len )?
       int max = arr[0];
       Nor (int i = 0; ix len ; i++) }
            if (arr[i] > max)
                 max = arr[i];
      return max?
int main () {
     int ara [] = {2,3,4,8,1,2,2,3,0,8};
     int len = sized (arr) / sized(arr[0]);
     printy (" Largest number is rod", largest (arr, len));
    retorn Do
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Input -NA	1	Output		
	Largest	nampea	îs	5

Output Window :-

Largest number is 5