ARRAY\_FUNCTION 1 ASSIGNMENT

1. Specify the size of below arrays:
2. int arr[100];

🡪 400 bytes

1. char arr[10];

🡪 10 bytes

1. char arrval[]= "abc";

🡪 4 bytes

1. char arr[] = {'a', 'b'};

🡪2 bytes

2. Write a function to read and display an integer array of 6 elements. Add a function to reverse the position of the elements

i.e. last one in first and second last as second one and so on.

🡪 #include <stdio.h>

#include <conio.h>

Void revnum(){

int arr[6],n,x[6],j=0;

for(int i=0;i<6;i++) {

scanf(“%d”,&n);

arr[i]=n;

}

printf(“\n”);

for(int i=0;i<6;i++){

printf(“%d”\t”,arr[i]);

}

for(int i=5;i>=0;i--){

x[j++]=arr[i];

}

printf(“\n reverse array is:\n”);

for(int i=0;i<6;i++){

printf(“%d\t”,x[i]);

}

}

int main(){

revnum();

}

3. Write a function to reverse the contents of a string (string may/may not include space also) of maximum length 128 chars.

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#include <stdio.h>

#include<conio.h>

void revstr(char \*str1) {

int i, len, temp;

len = strlen(str1);

for (i=0; i<len/2; i++) {

temp = str1[i];

str[i] = str1[len - i -1];

str[len – i -1] = temp;

}

}

Int main(){

char str[50];

gets(str);

printf (“\nn before reversing : %s \n”, str);

revstr(str);

printf (“after reversing : %s”,str);

}