**Manasi Bhabal**

**ASSIGNMENT – 1 ARRAY FUNCTION**

**1. Specify the size of below arrays**

a. int arr[100];

**Ans : 400 byte**

b. char arr[10];

**Ans : 10 byte**

c. char arrval[]= "abc";

**Ans : 4 byte**

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

**Ans : 2 byte**

**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 Revers Array:\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.**

#include <stdio.h>

#include <string.h>

void revstr(char \*str1) {

int i, len, temp;

len = strlen(str1);

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

temp = str1[i];

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

str1[len - i - 1] = temp;

}

}

int main(){

char str[50];

gets(str);

printf (" \n Before reversing : %s \n", str);

revstr(str);

printf (" After reversing : %s", str);

}