Assignment 12

//sumof all element

#include<stdio.h>

#include<stdlib.h>

int sum\_arry(int\*,int);

int\* create\_array(int);

void main(){

int n;

printf("Enter the size of arry:");

scanf("%d",&n);

//create arry

int\* arr=create\_array(n);

//sum

int sum=sum\_arry(arr,n);

printf("sum is %d",sum);

}

//definations

int\* create\_array(int n){

int\* M\_arry=(int\*)malloc(n\*sizeof(int));

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

printf("Enter the value %d :",i);

scanf("%d",&M\_arry[i]);

}

return M\_arry;

}

int sum\_arry(int\* arr,int n){

int sum=0;

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

sum=sum+arr[i];

}

return sum;

}

#include<stdio.h>

#include<stdlib.h>

int search\_num(int\*,int);

int\* create\_arry(int);

void main(){

int n;

printf("Enter the size of array:");

scanf("%d",&n);

//create arry

int\* arr=create\_arry(n);

n=search\_num(arr,n);

if(n!=0){

printf("number is at index:%d",n);

}

else{

printf("Not found");

}

}

int\* create\_arry(int n){

int\* M\_arry=(int\*)malloc(n\* sizeof(int));

//

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

printf("Enter value %d:",i);

scanf("%d",&M\_arry[i]);

}

return M\_arry;

}

int search\_num(int\* arr,int n){

int num;

printf("Enter the value to search:");

scanf("%d",&num);

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

if(arr[i]==num){

return i;

}

}

return 0;

}

#include<stdio.h>

#include<stdlib.h>

int max\_arry(int\*,int );

int min\_arry(int\*,int);

int\* create\_array(int);

void main(){

//create array

int n=5;

//int arr[5]={10,20,30,40,50};

/\*

int\* arr=(int\*)malloc(n\*sizeof(int));

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

printf("enter index %d :",i);

scanf("%d",&arr[i]);

}\*/

int\* arr=create\_array(n);

int max=max\_arry(arr,n);//call

printf("max : %d\n",max);

int min=min\_arry(arr,n);

printf("\nmin :%d",min);

}

int max\_arry(int\* arr,int n){

int max=arr[0];

for(int i=1;i<n;i++){

if(arr[i]>max){

max=arr[i];

}

}

return max;

}

int min\_arry(int\* arr,int n){

int min=arr[0];

for(int i=1;i<n;i++){

if(arr[i]<min){

min=arr[i];

}

}

return min;

}

int\* create\_array(int n){

int\* M\_arry=(int\*)malloc(n\*sizeof(int));

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

printf("enter index %d :",i);

scanf("%d",&M\_arry[i]);

}

return M\_arry;

}

#include<stdio.h>

#include<stdlib.h>

int\* create\_arry(int);

void even\_odd(int\*, int);

void main(){

int n;

printf("Enter the size :");

scanf("%d",&n);

//create array

int\* arr=create\_arry(n);

//

even\_odd(arr,n);

}

//definations

int\* create\_arry(int n){

int\* M\_array=(int\*)malloc(n\*sizeof(int));

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

printf("Enter the value %d :",i);

scanf("%d",&M\_array[i]);

}

return M\_array;

}

void even\_odd(int\* arr, int n){

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

if(arr[i]%2==0){

printf("\n\nindex:%d even:%d\n\n",i,arr[i]);

}

else{

printf("\n\nindex :%d odd:%d\n\n",i,arr[i]);

}

}

}

//alternate

#include<stdio.h>

#include<stdlib.h>

int\* create\_arry(int);

void alternate(int\*,int);

void main(){

int n;

printf("Enter the size:");

scanf("%d",&n);

int\* arr=create\_arry(n);

//alternate

alternate(arr,n);

}

int\* create\_arry(int n){

int\* M\_arry=(int\*)malloc(n\*sizeof(int));

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

printf("Enter the value %d :",i);

scanf("%d",&M\_arry[i]);

}

return M\_arry;

}

void alternate(int\* arr,int n){

for(int i=0;i<n;i=i+2){

printf("\n\nIndex:%d value :%d\n\n",i,arr[i]);

}

}