Assignment 8

```c
// Q5Print alternate elements in array.
#include<stdio.h>
void alter(int*,int);


void main(){
        int arr[7]={1,2,4,3,5,6,7};
        alter(arr,7);
}


void alter(int* arr,int size){
        for(int i=0;i<size;i=i+2){
                printf("%d\t",arr[i]);
                }
}
```

```c
//1. Find minimum and maximum number in array.
#include<stdio.h>
int max_arr(int*,int);
int min_arr(int*,int);
void main(){
        int arr[10]={1,4,2,4,8,4,9,8,10,11};
        int size=10;
        int m=max_arr(arr,size);
        int n=min_arr(arr,size);
        printf("Max:%d\n",m);
        printf("Min:%d\n",n);
}


int max_arr(int* arr,int size){
        int max=arr[0];
        for(int i=0;i<size;i++){
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            if(arr[i]>max){

                    max=arr[i];

            }

        }

        return max;


}
int min_arr(int* arr,int size){

        int min=arr[0];

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

                if(arr[i]<min){

                        min=arr[i];

                }

        }


        return min;

}


//2. Search the given number in array.

#include<stdio.h>

int search(int*,int);

void main(){

        int arr[10]={1,2,4,3,5,8,6,7,9,10};

        int s=10;

        int i=search(arr,s);

        if(i!=-1)

        printf("Element presents on the index:%d",i);

        else

        printf("Element not found!!");

}
int search(int* arr,int s){
```

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        int num;

        printf("Enter the number wants to search:");

        scanf("%d",&num);

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

                if(arr[i]==num){

                        return i;

                }

        }

        return -1;

}


//3. Find sum of all numbers.

#include<stdio.h>

int sum_arr(int*,int);

void main(){

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

        int size=5;

        int s=sum_arr(arr,size);

        printf("Sum is %d\n",s);

}


int sum_arr(int* arr,int size){

                int sum=0;

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

                        sum=sum+arr[i];

                }


        return sum;

}


//Q4. Find odd and even among the numbers
```

```c
#include<stdio.h>
void evn_odd(int*,int);
void main(){
        int arr[10]={1,2,4,3,5,6,7,8,9,10};
        int s=10;
        evn_odd(arr,s);


}


void evn_odd(int*arr,int s){
        for(int i=0;i<s;i++){
                if(arr[i]%2==0){
                        printf("index %d Even:%d\n",i,arr[i]);
                }
                else{
                        printf("index :%d odd :%d\n",i,arr[i]);
                }
        }
}
```