Bismillahhir Rahmanir Rahim

আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম
International Islamic University Chittagong

Assignment

Course Title-Computer Programming 1/ lab
Course Code: CSE- 1121/22

Assignment No. – 01

(Official & for FINAL TERM)

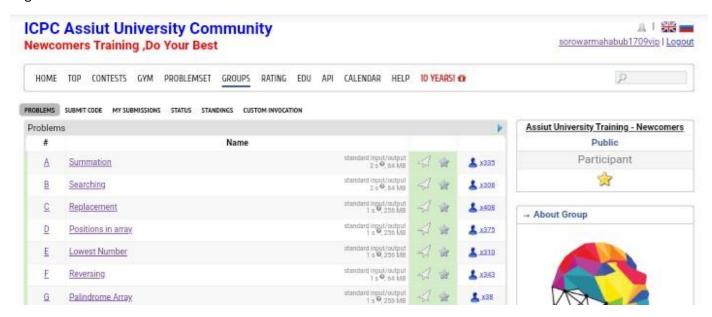**Submission date- 20.09.2020**

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Submitted by-

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HOME TOP CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP 10 YEARS! 🎂

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

Problems					
#	Name				
A	Summation	standard input/output 2 s, 64 MB	◁	☆	👤 x335
B	Searching	standard input/output 2 s, 64 MB	◁	☆	👤 x308
C	Replacement	standard input/output 1 s, 256 MB	◁	☆	👤 x408
D	Positions in array	standard input/output 1 s, 256 MB	◁	☆	👤 x375
E	Lowest Number	standard input/output 1 s, 256 MB	◁	☆	👤 x310
F	Reversing	standard input/output 1 s, 64 MB	◁	☆	👤 x343
G	Palindrome Array	standard input/output 1 s, 256 MB	◁	☆	👤 x38

Assiut University Training - Newcomers

Public

Participant

☆

→ About Group

By sorowarmahabub1709vip, contest: Sheet #3 (Arrays), problem: (A) Summation, **Accepted**,

```c
#include<stdio.h>
int main()
{

//MD. SOROWAR MAHABUB RABBY, Author, CSE, IIUC.
    long long int i,n,sum=0,x;
    scanf("%lld", &n);
    long long int a[n];
    for(i=0;i<n;i++)
    {
        scanf("%lld", &a[i]);
    }
    for(i=0;i<n;i++)
    {
        sum=sum+a[i];
    }

    if(sum<0)
        printf("%lld", -sum);
    else
        printf("%lld", sum);
    return 0;
}
```

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```c
#include<stdio.h>
int main()
{
    int N;
    scanf("%d\n",&N);
    int A[N],X,D,i;
    for(i=0;i<N;i++)
    {
        scanf("%d",&A[i]);
    }
    scanf("%d",&X);
    for(i=0;i<N;i++)
    {
        if(X==A[i])
            {D=i;break;}
        else D=-1;
    }
    printf("%d",D);
    return 0;
}
```

```c
#include<stdio.h>
int main()
{
    int N;scanf("%d\n",&N);
    int A[N],i;
    for(i=0;i<N;i++)
    {
        scanf("%d",&A[i]);
        if(A[i]>0) printf("1 ");
        else if(A[i]<0) printf("2 ");
        else printf("0 ");
    }return 0;
}
```

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By sorowarmahabub1709vip, contest: Sheet #3 (Arrays), problem: (D) Positions in array, **Accepted**,

```c
#include<stdio.h>
int main()
{
    int N;scanf("%d\n",&N);
    int ar[N],i;
    for(i=0;i<N;i++)
    {
        scanf("%d",&ar[i]);
        if(ar[i]<=11)
        {
            printf("A[%d] = %d\n",i,ar[i]);
        }
    }return 0;
}
```

By sorowarmahabub1709vip, contest: Sheet #3 (Arrays), problem: (E) Lowest Number, **Accepted**,

```c
#include<stdio.h>
int main()
{
    long long int number, m, n, min, pos;
    scanf("%lld", &number);
    long long int N[number];
    n= 0;
    pos= 1;
    if(number >= 2 && number <= 1000)
    {
    while(n < number)
    {
        scanf("%lld", &N[n]);
        n++;
    }
    m= 0;
    min= N[0];
    while(m < number)
    {
        if(N[m] < min)
        {
            min= N[m];
            pos= m+1;
        }
        m++;
    }
    printf("%lld %lld\n", min, pos);
    }
    return 0;
}

// SOROwar Mahabub, Studies B.Sc in CSE, IIUC
```

By sorowarmahabub1709vip, contest: Sheet #3 (Arrays), problem: (F) Reversing, **Accepted**

```c
#include<stdio.h>
int main()
{
    long long int number, m, n;
    scanf("%lld", &number);
    long long int N[number];
    n= 0;

    if(number >= 1 && number <= 1000)
    {
    while(n < number)
    {
        scanf("%lld", &N[n]);
        n++;
    }
    m= number - 1;
    while(m >= 0)
    {
        printf("%lld ", N[m]);
        m--;
    }


    }
    return 0;

}

// SOROwar Mahabub, Studies B.Sc in CSE, IIUC
```

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By sorowarmahabub1709vip, contest: Sheet #3 (Arrays), problem: (G) Palindrome Array, **Accepted**,

```c
#include<stdio.h>
#include<math.h>
int main()
{
    long long int number, m, n, k;
    scanf("%lld", &number);
    long long int N[number];
    n= 0;

    if(number >= 0 && number <= pow(10,5))
    {
    while(n < number)
    {
        scanf("%lld", &N[n]);
        n++;
    }
    m= number - 1;
    k= 0;
    while(m >= 0)
    {
        if(N[k] == N[m])
        {
            k++;
        }
        m--;
    }
    if(k == number)
        printf("YES\n");
    else
        printf("NO\n");
    }
    return 0;
}

// SOROwar Mahabub, Studies B.Sc in CSE, IIUC
```

Submitted by-

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