

Course Name: O Level (2nd Sem B2 and B3 Batch)**Subject:** C Language**Topic:** Single / One Dimensional Array**Date:** 24-April-2020**Example 1:** Program to print the sum of all the array elements.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int x[5],i,s=0;
    clrscr();
    printf("Enter elements of array \n");
    for(i=0;i<5;i++)
    {
        scanf("%d",&x[i]);
        s=s+x[i];
    }
    printf("%d",s);
    getch();
}
```

Example 2: Program to print the all even number in array elements.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int x[5],i,s=0;
    clrscr();
    printf("Enter elements of array \n");
    for(i=0;i<5;i++)
        scanf("%d",&x[i]);
    for(i=0;i<5;i++)
        if(x[i]%2==0)
            printf("%d\t",x[i]);
    getch();
}
```

Example 3: Program to print the sum of all the even number in array elements.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int x[5],i,s=0;
    clrscr();
    printf("Enter elements of array \n");
    for(i=0;i<5;i++)
        scanf("%d",&x[i]);
    for(i=0;i<5;i++)
        if(x[i]%2==0)
            s=s+x[i];
    printf("%d\t",s);
    getch();
}
```

Example 4: Program to print the reverse of array elements.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int x[5],i;
    clrscr();
    printf("Enter elements of array \n");
    for(i=0;i<5;i++)
        scanf("%d",&x[i]);
    for(i--;i>=0;i--)
        printf("%d\t",x[i]);
    getch();
}
```

Example 5: Program to find the largest value of an array.

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int x[5],i,l;
    clrscr();
    printf("Enter the elements of array\n");
    for(i=0;i<5;i++)
        scanf("%d",&x[i]);
    l=x[0];
    for(i=0;i<5;i++)
        if(l<x[i])
            l=x[i];
    printf("Largest number=%d",l);
    getch();
}
```

Try Yourself:

1. Write a program to print the multiplication of all the array elements.
2. Write a program to print the all odd number in array elements.
3. Write a program to find the smallest value of an array.
4. Write a program to print the sum of all the odd number in array elements.