

**University Institute of Engineering**

**Lab File**

**Subject Name: COMPUTER PROGRAMMING AND UTILIZATION LAB**

**Subject Code: UCP-145**

**Batch: 2017 -2021**

**Submitted By: Submitted To:**

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**UID: 17BCS4132**

**Computer Science and Engineering IBM, Chandigarh University, Gharuan**

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| **CPU LAB INDEX** | | | | | | | | | |
| **Student Name: Chirag Rawal** | | | | | **UID: 17BCS4132** | | | | |
| **Subject Name: Computer Programming and Utilization** | | | | | **Subject Code:** | | | | |
| **Branch & Section: CSE IBM CC2** | | | | | **Group: 1** | | | | |
| **S. No.** | **Name of Experiment** | **Page No.** | **Date** | **Marks** | | | | | **Teacher’s Signature** |
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**EXPERIMENT 1:**

**Aim:** Program to get 5 elements of array and print it.

**Program:**

*#include<stdio.h>*

*main( )*

*{*

*int ar[4],i;*

*printf("Enter first value for array: ");*

*scanf("%d",&ar[0]);*

*printf("\nEnter second value for array: ");*

*scanf("%d",&ar[1]);*

*printf("\nEnter third value for array: ");*

*scanf("%d",&ar[2]);*

*printf("\nEnter fourth value for array: ");*

*scanf("%d",&ar[3]);*

*printf("\nEnter fifth value for array: ");*

*scanf("%d",&ar[4]);*

*for(i=0;i<=4;i++)*

*{*

*printf("%d\t",ar[i]);*

*}*

*}*

***EXPERIMENT 2:***

***Aim:*** Program to get 10 array elements and print those elements in reverse order.

**Program:**

*#include<stdio.h>*

*main( )*

*{ int ar[9],i;*

*printf("Enter first value for array: ");*

*scanf("%d",&ar[0]);*

*printf("\nEnter second value for array: ");*

*scanf("%d",&ar[1]);*

*printf("\nEnter third value for array: ");*

*scanf("%d",&ar[2]);*

*printf("\nEnter fourth value for array: ");*

*scanf("%d",&ar[3]);*

*printf("\nEnter fifth value for array: ");*

*scanf("%d",&ar[4]);*

*printf("\nEnter sixth value for array: ");*

*scanf("%d",&ar[5]);*

*printf("\nEnter seventh value for array: ");*

*scanf("%d",&ar[6]);*

*printf("\nEnter eight value for array: ");*

*scanf("%d",&ar[7]);*

*printf("\nEnter ninth value for array: ");*

*scanf("%d",&ar[8]);*

*printf("\nEnter tenth value for array: ");*

*scanf("%d",&ar[9]);*

*for(i=9;i>=0;i--)*

*{ printf("%d\t",ar[i]);*

*}*

*}*

**EXPERIMENT 3:**

**Aim:** Program to calculate sum of an array element.

**Program:**

*#include<stdio.h>*

*main()*

*{int i=0,a[3],b[3],c[3];*

*printf("All the arrays have 3 values\n");*

*for(i=0;i<3;i++)*

*{ printf("Enter values for first array\n");*

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

*}*

*for(i=0;i<3;i++)*

*{ printf("Enter values for second array\n");*

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

*}*

*for(i=0;i<3;i++)*

*{*

*c[i]=a[i]+b[i];*

*printf("The sum of %d and %d is %d\n",a[i],b[i],c[i]);*

*}*

*}*

**EXPERIMENT 4:**

**Aim:** Program to calculate average of array.

**Program:**

**EXPERIMENT 5:**

**Aim:** Program to find largest array elements in C.

**Program:**

*#include<stdio.h>*

*main()*

*{ int a[2];*

*printf("Enter first element for array:");*

*scanf("%d",&a[0]);*

*printf("Enter second element for array:");*

*scanf("%d",&a[1]);*

*printf("Enter third element for array:");*

*scanf("%d",&a[2]);*

*if(a[0]>a[1])*

*{*

*if(a[0]>a[2])*

*printf("%d is the largest array element",a[0]);*

*else*

*printf("%d is the largest array element",a[2]);*

*}*

*else*

*{*

*if(a[1]>a[2])*

*printf("%d is the largest array element",a[1]);*

*else*

*printf("%d is the largest array element",a[2]);*

*}*

*}*