

## lab eveluation 1

**CAP : 282**

### Data structure labratory

**Name: Reshad Ahmad Hussaini**

**rol No: A16      section : 1904      reg No: 11909258**

taske: write a C program to concatenate two array by size of m and n then delete 4th element from concatenated array?

Code:

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int a[50], b[50],m,n,i,pos=4;
```

```
    printf("enter 1 array number of element\n\n");
```

```
    scanf("%d",&m);
```

```
    printf("enter 2 array number of element\n\n");
```

```
    scanf("%d",&n);
```

```
    printf("enter %d elements for 1 array\n\n",m);
```

```
    for(i=0; i<m; i++)
```

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

```
    printf("enter %d elements for 2 array\n\n");
```

```
    for(i=0; i<n; i++)
```

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

```
    for(i=0; i<m+n; i++)
```

```
    {
```

```
        a[m+i]=b[i];
```

```
    }
```

```
printf("canceled array before deletion:\n\n");

for(i=0; i<m+n; i++)

{

    printf("%d ",a[i]);

}

for(i=pos-1; i<m+n; i++)

{

    a[i]=a[i+1];

}

printf("canceled array after deletion:\n\n");

for(i=0; i<m+n-1; i++)

{

    printf("%d ",a[i]);

}

return 0;

}
```

output of program:

```
C:\Users\project\Desktop\lab1\bin\Debug\lab1.exe
enter 1 array number of element
3
enter 2 array number of element
2
enter 3 elements for 1 array
1 2 3
enter 6356552 elements for 2 array
4 5
cancated array befor deletion:
1 2 3 4 5
cancated array after deletion:
1 2 3 5
Process returned 0 (0x0)   execution time : 10.054 s
Press any key to continue.
```