

/*array concatination by func*/

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

```
void concatination(int a1[],int b1[],int c1[],int n,int m);
```

```
int main()
```

```
{
```

```
    int c[200];
```

```
    int n,m,i;
```

```
    printf("enter the value of n of 1st array\n");
```

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

```
    printf("enter the value of m of 2nd array\n");
```

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

```
    int a[n],b[m];
```

```
    concatination(a,b,c,n,m);
```

```
    return 0;
```

```
}
```

```
void concatination(int a1[],int b1[],int c1[],int n,int m)
```

```
{
```

```
    int i,j;
```

```
    printf("enter the values of 1st array\n");
```

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

```
    {
```

```
        scanf("%d",&a1[i]);
```

```
        c1[i]=a1[i];
```

```
    }
```

```
    int k=i;
```

```
    printf("enter the values of 2nd array\n");
```

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

```
    {
```

```
        scanf("%d",&b1[i]);
```

```
        c1[k]=b1[i];
```

```

        k++;
    }

    printf("the merged array is\n");
    for(i=0;i<n+m;i++)
    {
        printf("%d\n",c1[i]);
    }
}

```

The screenshot shows a Windows command prompt window titled "C:\Users\HP\OneDrive\Desktop\collage work 3rd sem\array concat by func.exe". The program prompts the user to enter the size of the second array (5), then the values of the first array (1, 2, 3, 4, 5), and then the values of the second array (6, 7, 8, 9, 10). It then displays the merged array: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. The program exits after 28.39 seconds with a return value of 0. The Windows taskbar at the bottom shows the date as 06-08-2022 and the time as 12:06.

```

C:\Users\HP\OneDrive\Desktop\collage work 3rd sem\array concat by func.exe
5
enter the value of n of 2nd array
5
enter the values of 1st array
1
2
3
4
5
enter the values of 2nd array
6
7
8
9
10
the merged array is
1
2
3
4
5
6
7
8
9
10
-----
Process exited after 28.39 seconds with return value 0
Press any key to continue . . .

```