

```
/*stack lifo*/
```

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

```
int main()
```

```
{
```

```
    int n,top=-1;
```

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

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

```
    int stack[n];
```

```
    printf("enter the values of stack\n");
```

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

```
    {
```

```
        scanf("%d",&stack[++top]);
```

```
    }
```

```
    printf("display the stack\n");
```

```
    for(int i=top;i>=0;i--)
```

```
    {
```

```
        printf("%d\n",stack[i]);
```

```
    }
```

```
    printf("doing LIFO \n");
```

```
    int x;
```

```
    if(top==--1)    //by again & again deletion
```

```
    {
```

```
        printf("stack is empty\n");
```

```
    }
```

```
    else
```

```
    {
```

```
        x=stack[top];
```

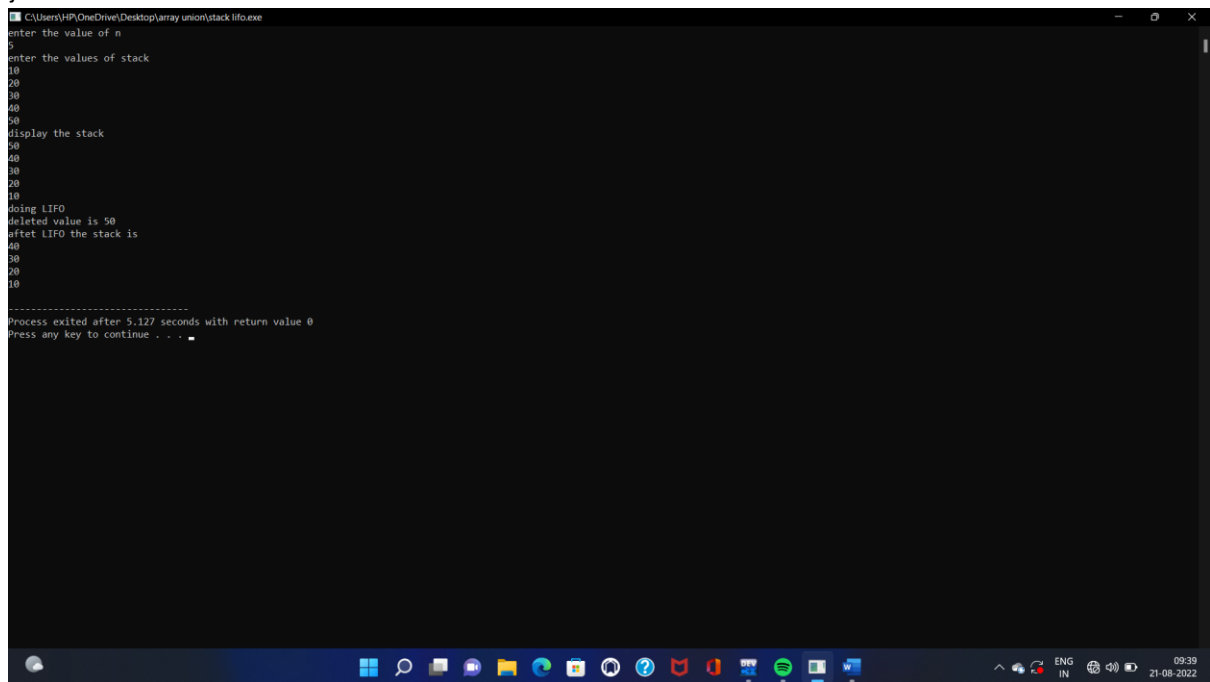
```
        printf("deleted value is %d\n",x);
```

```
        top--;
```

```
    }
```

```
    printf("aftet LIFO the stack is\n");
```

```
for(int i=top;i>=0;i--)  
{  
    printf("%d\n",stack[i]);  
}  
return 0;  
}
```



```
C:\Users\HP\OneDrive\Desktop\array union\stack lifo.exe  
enter the value of n  
5  
enter the values of stack  
10  
20  
30  
40  
50  
display the stack  
50  
40  
30  
20  
10  
doing LIFO  
deleted value is 50  
after LIFO the stack is  
40  
30  
20  
10  
-----  
Process exited after 5.127 seconds with return value 0  
Press any key to continue . . .
```