

```
/*stack*/
```

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

```
int main()
```

```
{
```

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

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

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

```
    int a[n];
```

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

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

```
    {
```

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

```
    }
```

```
    printf("array elements are\n");
```

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

```
    {
```

```
        printf("%d\n",a[top]);
```

```
    }
```

```
    if(top==n-1)
```

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

```
    return 0;
```

```
}
```

```
C:\Users\HP\OneDrive\Desktop\collage work 3rd sem(dada)\stack new.exe
enter the value of n
5
enter the values of array
1
2
3
4
5
array elements are
1
2
3
4
5
-----
Process exited after 4.242 seconds with return value 0
Press any key to continue . . .
```