

```
namespace ConsoleApplication1
{
    class nuha
    {
        public class stack
        {
            private int[] s;
            private int top;
            public stack(int N)
            {
                s = new int[N];
                top = -1;
            }
            public void push(int x)
            {
                if (top >= s.Length - 1)
                {
                    Console.WriteLine("exception over flow");
                    return;
                }

                top++;
                s[top] = x;
            }
            public int pop()
            {
                if (top == -1)
                {
                    Console.WriteLine("exception under flow");
                }
            }
        }
    }
}
```

```
        return 0;
    }
    int e = s[top];
    s[top] = 0;
    top--;
    return e;
}
```

```
public int peek()
{
    int d = s[top];
    Console.WriteLine("element peek is:{0}", d);
    return d;
}

public void display()
{
    for(int i=top;i>=0;i--)
        Console.WriteLine(s[i]);
}

static void Main(string[] args)
{
    stack s = new stack(5);
    Console.WriteLine("enter the elements in to stack");
    for (int i = 0; i < 5; i++)
    {

        int r = int.Parse(Console.ReadLine());
```

```
s.push(r);
```

```
}
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```
Console.WriteLine(" the elements in to stack in reverse manner");
```

```
s.display();
```

```
Console.ReadKey();
```

```
}
```

```
}
```

```
}
```