Practical 6

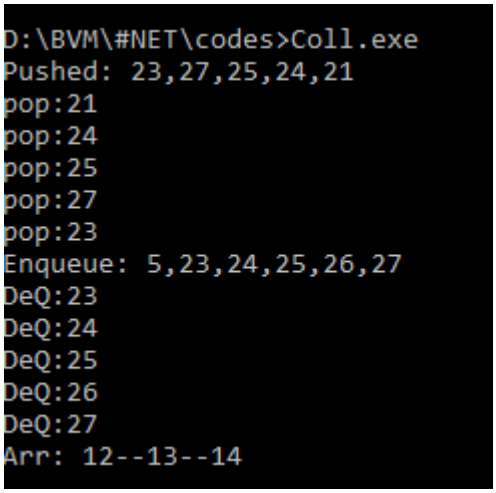
Aim: Illustrate System.Collection Class

#PROGRAM

```
using System;
using System.Collections;
namespace ConsoleApplication4{
   class Program
   {
      static void Main(string[] args)
      {
         Stack s = new Stack(5);
         s.Push((object)23);
         s.Push((object)27);
         s.Push((object)25);
         s.Push((object)24);
         s.Push((object)21);
         Console.WriteLine("Pushed: 23,27,25,24,21");
         Console.WriteLine("pop:" + s.Pop().ToString());
         Console.WriteLine("pop:" + s.Pop().ToString());
         Console.WriteLine("pop:" + s.Pop().ToString());
         Console.WriteLine("pop:" + s.Pop().ToString());
         Console.WriteLine("pop:" + s.Pop().ToString());
         //Console.WriteLine("pop:" + s.Pop().ToString());
         Queue q = new Queue(5);
         q.Enqueue((object)23);
         q.Enqueue((object)24);
         q.Enqueue((object)25);
         q.Enqueue((object)26);
         q.Enqueue((object)27);
          Console.WriteLine("Enqueue: 5,23,24,25,26,27");
         Console.WriteLine("DeQ:" + q.Dequeue().ToString());
         Console.WriteLine("DeQ:" + q.Dequeue().ToString());
         Console.WriteLine("DeQ:" + q.Dequeue().ToString());
         Console.WriteLine("DeQ:" + q.Dequeue().ToString());
         Console.WriteLine("DeQ:" + q.Dequeue().ToString());
       //  Console.WriteLine("DeQ:" + q.Dequeue().ToString());
         ArrayList al = new ArrayList(2);
         al.Add((object)12);
         al.Add((object)13);
         al.Add((object)14);
         Console.WriteLine("Arr: {0}--{1}--{2}", al[0], al[1], al[2]);
      }
```

```
    }
}
```

#OUTPUT


D:\BVM\#NET\codes>Coll.exe
Pushed: 23,27,25,24,21
pop:21
pop:24
pop:25
pop:27
pop:23
Enqueue: 5,23,24,25,26,27
DeQ:23
DeQ:24
DeQ:25
DeQ:26
DeQ:27
Arr: 12--13--14