ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-A

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardA
{

        public static void main(String[] args) throws IOException
        { pc2Read();
        }

        public static void process(String vec[])
        { int m = Integer.parseInt(vec[0]); // Lados del poligono

          // vec[1] ... vec[m-1] Coordenadas de los vertices de los poligonos
        }

        public static void pc2Read() throws IOException
        { String line, vec[] = null;
          BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
          try
          { int n = Integer.parseInt(buffer.readLine( )); // Número de poligonos
            for (int i=0; i<n; i++)
            {    line = buffer.readLine( );
                 vec = line.split(" ");
                   process(vec);
            }
          }
          catch(NullPointerException e)
          {
          }
          buffer.close();
        }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-B

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardB
{

        public static void main(String[] args) throws IOException
        { pc2Read();
        }

        public static void process(String vec[])
        { int x = Integer.parseInt(vec[0]); // Coordenada del crater
          int y = Integer.parseInt(vec[1]); // Coordenada del crater
          int r = Integer.parseInt(vec[2]); // Radio del crater

        }

        public static void pc2Read() throws IOException
        { String line, vec[] = null;
          BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
          try
          { int n = Integer.parseInt(buffer.readLine( )); // Número de craters
            for (int i=0; i<n; i++)
            {    line = buffer.readLine( );
                 vec = line.split(" ");
                   process(vec);
            }
          }
          catch(NullPointerException e)
          {
          }
          buffer.close();
        }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-C

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardC
{

   public static void main(String[] args) throws IOException
   { pc2Read();
   }

   public static void process(String line)
   { // line : mensaje a desencriptar
   }

   public static void pc2Read() throws IOException
   { String line, vec[] = null;
     BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
     try
     { line = buffer.readLine( );
       process(line);
     }
     catch(NullPointerException e)
     {
     }
     buffer.close();
   }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-D

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardD
{

   public static void main(String[] args) throws IOException
   { pc2Read();
   }

   public static void process(String line1[], String line2[])
   { int n = Integer.parseInt(line1[0]); // Número de estudiantes
     int k = Integer.parseInt(line1[1]); // Número de comandos

     // line2[]: son los k comandos, los "undo" no se cuentan entre los k

   }

   public static void pc2Read() throws IOException
   { String line, line1[] = null, line2[] = null;
     BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
     try
     { line = buffer.readLine( );
       line1 = line.split(" ");

       line = buffer.readLine( );
       line2 = line.split(" ");

       process(line1, line2);
     }
     catch(NullPointerException e)
     {
     }
     buffer.close();
   }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-F

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardF
{

    public static void main(String[] args) throws IOException
    { pc2Read();
    }

    public static void process(String mat[][])
    {
      /*
       * Se visualiza sólo para comprobar la lectura
       */
      for (int i=0; i<mat.length; i++)
              System.out.println(mat[i][0] + " " + mat[i][1]);
    }

    public static void pc2Read() throws IOException
    { String line, mat[][] = null;
      BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
      try
      { int n = Integer.parseInt(buffer.readLine( ));
        mat = new String[n][2];

        for (int i=0; i<n; i++)
        { line = buffer.readLine( );
          mat[i] = line.split(" ");
        }
        process(mat);
      }
      catch(NullPointerException e)
      {
      }
      buffer.close();
    }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-G

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardG
{

   public static void main(String[] args) throws IOException
   { pc2Read();
   }

   public static void process(String vec1[], String vec2[])
   {
   }

   public static void pc2Read() throws IOException
   { String line, vec1[] = null, vec2[] = null;
     BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
     try
     { line = buffer.readLine( );
       vec1  = line.split(" ");

       line = buffer.readLine( );
       vec2  = line.split(" ");

       process(vec1, vec2);
     }
     catch(NullPointerException e)
     {
     }
     buffer.close();
   }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-H

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardH
{

    public static void main(String[] args) throws IOException
    { pc2Read();
    }

    public static void process(String mat[], int f, int c)
    {
        /*
         * Sólo para comprobar la lectura
         */
        for (int i=0; i<f; i++)
        { System.out.println(mat[i]);
        }
    }

    public static void pc2Read() throws IOException
    { String line, mat[] = null, vec[];
      BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
      try
      { line = buffer.readLine( );
        vec = line.split(" ");

        int f = Integer.parseInt(vec[0]);
        int c = Integer.parseInt(vec[1]);

        mat = new String[f];

        for (int i=0; i<f; i++)
        { line = buffer.readLine( );
          mat[i] = line;
        }
        process(mat, f, c);
      }
      catch(NullPointerException e)
      {
      }
      buffer.close();
    }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-I

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardI
{

   public static void main(String[] args) throws IOException
   { pc2Read();
   }

   public static void process(String vec[])
   {
   }

   public static void pc2Read() throws IOException
   { String line, vec[] = null;
     BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
     try
     { line = buffer.readLine( );
       vec = line.split(" ");
       process(vec);
     }
     catch(NullPointerException e)
     {
     }
     buffer.close();
   }
}
```

ENTRADAS: CCPL 2018 – ROUND 7 - EJERCICIO-J

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;


public class InputStandardJ
{

    public static void main(String[] args) throws IOException
    { pc2Read();
    }

    public static void process(String vec[], String mat[][])
    {
    }

    public static void pc2Read() throws IOException
    { String line, vec[] = null, mat[][] = null;
      BufferedReader buffer = new BufferedReader(new InputStreamReader(System.in));
      try
      { line = buffer.readLine( );
        vec = line.split(" ");

        for (int i=0; i<10; i++)
        { line = buffer.readLine( );
          mat[i] = line.split(" ");
        }
        process(vec, mat);
      }
      catch(NullPointerException e)
      {
      }
      buffer.close();
    }
}
```

REDONDEO

```
import java.text.DecimalFormat;


public class Redondeo
{

        public static void main(String[ ] args)
        {
           Double number  = 89.76850626721;

         /* DecimalFormat */
           DecimalFormat df = new DecimalFormat("#.00");
           System.out.println(df.format(number));  /* Salida : 89.77 */

         /* String format */
           System.out.println(String.format("%.2f", number)); /* Salida : 89.77 */

         /* DecimalFormat */
           df = new DecimalFormat("#.00000");
           System.out.println(df.format(number));  /* Salida : 89.76851 */

         /* String format */
           System.out.println(String.format("%.5f", number)); /* Salida : 89.76851 */

         /* Math.Round */
           System.out.println((double)Math.round(number * 100d) / 100d);
           System.out.println((double)Math.round(number * 100000d) / 100000d);
        }

}
```