JAVA.IO.BUFFEREDINPUTSTREAM.AVAILABLE METHOD EXAMPLE

Description

The **java.io.BufferedInputStream.available** method returns the number of bytes remained to read from an input stream without blocking by the next invocation of a method for this input stream.

Declaration

Following is the declaration for **java.io.BufferedInputStream.available** method

```
public int available()
```

Return Value

This method returns **number of bytes** remained to read from this input stream without blocking.

Exception

- **IOException** -- -- if an I/O error occurs.

Example

The following example shows the usage of java.io.BufferedInputStream.available method.

```
package com.tutorialspoint;

import java.io.BufferedInputStream;
import java.io.FileInputStream;
import java.io.IOException;
import java.io.InputStream;

public class BufferedInputStreamDemo {
   public static void main(String[] args) throws Exception {

      InputStream inStream = null;
      BufferedInputStream bis = null;

      try{
         // open input stream test.txt for reading purpose.
         inStream = new FileInputStream("c:/test.txt");

         // input stream is converted to buffered input stream
         bis = new BufferedInputStream(inStream);

         // read until a single byte is available
         while( bis.available() > 0 )
         {
            // get the number of bytes available
            Integer nBytes = bis.available();
            System.out.println("Available bytes = " + nBytes );

            // read next available character
            char ch =  (char)bis.read();

            // print the read character.
            System.out.println("The character read = " + ch );
         }
      }catch(Exception e){
         e.printStackTrace();
      }finally{
         // releases any system resources associated with the stream
         if(inStream!=null)
            inStream.close();
         if(bis!=null)
            bis.close();
      }
   }
}
```

Assuming we have a text file **c:/test.txt**, which has the following content. This file will be used as an input for our example program:

```
ABCDE
```

Let us compile and run the above program, this will produce the following result:

```
Available bytes = 5
The character read = A
Available bytes = 4
The character read = B
Available bytes = 3
The character read = C
Available bytes = 2
The character read = D
Available bytes = 1
The character read = E
```