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| **Java DataInputStream Class**  Java DataInputStream class allows an application to read primitive data from the input stream in a machine-independent way.  Java application generally uses the data output stream to write data that can later be read by a data input stream.  **Java DataInputStream class declaration**  Let's see the declaration for java.io.DataInputStream class:   1. **public** **class** DataInputStream **extends** FilterInputStream **implements** DataInput   **Java DataInputStream class Methods**   |  |  | | --- | --- | | **Method** | **Description** | | int read(byte[] b) | It is used to read the number of bytes from the input stream. | | int read(byte[] b, int off, int len) | It is used to read **len** bytes of data from the input stream. | | int readInt() | It is used to read input bytes and return an int value. | | byte readByte() | It is used to read and return the one input byte. | | char readChar() | It is used to read two input bytes and returns a char value. | | double readDouble() | It is used to read eight input bytes and returns a double value. | | boolean readBoolean() | It is used to read one input byte and return true if byte is non zero, false if byte is zero. | | int skipBytes(int x) | It is used to skip over x bytes of data from the input stream. | | String readUTF() | It is used to read a string that has been encoded using the UTF-8 format. | | void readFully(byte[] b) | It is used to read bytes from the input stream and store them into the buffer array. | | void readFully(byte[] b, int off, int len) | It is used to read **len** bytes from the input stream. | |

**Example**

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| **package** com.company;  **import** java.io.\*;  **public class** Main {   **public static void** main(String[] args) **throws** Exception{  **try** {  FileInputStream fileInputStream = **new** FileInputStream(**"D:\\Cat.txt"**);  DataInputStream dataInputStream = **new** DataInputStream(fileInputStream);  **int** noOfElement = dataInputStream.available();  **byte**[] by = **new byte**[noOfElement];   dataInputStream.read(by);  **for** (**byte** x : by){  System.***out***.println((**char**)x);  }   } **catch** (Exception ex){  System.***out***.println(**"Message : "** + ex);  }  } } | **A**    **`**  **F**  **g**  **o**  **t**    **t**  **h**  **e**    **m**  **a**  **t**  **c**  **h**    **K**    **g**  **o**  **t**    **t**  **h**  **e**    **u**  **t**  **f**    **b**  **i**  **t**  **c**  **h** |

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| **package** com.company;  **import** java.io.\*;  **public class** Main {   **public static void** main(String[] args) **throws** Exception{  **try** {  FileInputStream fileInputStream = **new** FileInputStream(**"D:\\Cat.txt"**);  DataInputStream dataInputStream = **new** DataInputStream(fileInputStream);  **int** noOfElement = dataInputStream.available();  **byte**[] by = **new byte**[noOfElement];   dataInputStream.readFully(by);   **for** (**byte** z : by){  System.***out***.println((**char**)z);  }   } **catch** (Exception ex){  System.***out***.println(**"Message : "** + ex);  }  } } | **Same op as above** |
| **package** com.company; **import** java.io.\*; **public class** Main {   **public static void** main(String[] args) **throws** Exception{  **try** {  FileInputStream fileInputStream = **new** FileInputStream(**"D:\\Cat.txt"**);  DataInputStream dataInputStream = **new** DataInputStream(fileInputStream);  **int** noOfElement = dataInputStream.available();  **byte**[] by = **new byte**[noOfElement];   dataInputStream.readFully(by, 5, 10);   **for** (**byte** z : by){  System.***out***.print((**char**)z);  }  } **catch** (Exception ex){  System.***out***.println(**"Message : "** + ex);  }  } } | **A `Fgot t** |