**Datagram Packet**

**Class java.net.DatagramPacket**

This class represents a datagram packet.

Datagram packets are used to implement a connectionless packet delivery service. Each message is routed from one machine to another based solely on information contained within that packet. Multiple packets sent from one machine to another might be routed differently, and might arrive in any order.

**Constructors :**

* [**DatagramPacket**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#DatagramPacket(byte[],%20int,%20java.net.InetAddress,%20int))**(byte[] buf, int length,**[**InetAddress**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/InetAddress.html)**address, int port)**  :  Constructs a datagram packet for sending packets of length length to the specified port number on the specified host.
* [**DatagramPacket**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#DatagramPacket(byte[],%20int,%20int,%20java.net.InetAddress,%20int))**(byte[] buf, int offset, int length,**[**InetAddress**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/InetAddress.html)**address, int port) :** Constructs a datagram packet for sending packets of length length with offset ioffsetto the specified port number on the specified host.
* [**DatagramPacket**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#DatagramPacket(byte[],%20int,%20int))**(byte[] buf, int offset, int length)**  : Constructs a DatagramPacket for receiving packets of length length, specifying an offset into the buffer.
* [**DatagramPacket**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#DatagramPacket(byte[],%20int))**(byte[] buf, int length)**  : Constructs a DatagramPacket for receiving packets of length length.

### Methods :

* [**getAddress**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#getAddress())**()**  : Returns the IP address of the machine to which this datagram is being sent or from which the datagram was receive
* [**getData**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#getData())**()**  : Returns the data received or the data to be sent.
* [**getLength**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#getLength())**()**  : Returns the length of the data to be sent or the length of the data received.
* [**getOffset**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#getOffset())**()**  : Returns the offset of the data to be sent or the offset of the data received.
* [**getPort**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#getPort())**()**  : Returns the port number on the remote host to which this datagram is being sent or from which the datagram was received.
* [**setData**](https://courses.cs.washington.edu/courses/cse341/98au/java/jdk1.2beta4/docs/api/java/net/DatagramPacket.html#setData(byte[],%20int,%20int))**(byte[] buf, int offset, int length)**  : Set the data buffer for this packet.