**Java DatagramPacket Class Methods**

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| **Method** | **Description** |
| 1) InetAddress getAddress() | It returns the IP address of the machine to which the datagram is being sent or from which the datagram was received. |
| 2) byte[] getData() | It returns the data buffer. |
| 3) int getLength() | It returns the length of the data to be sent or the length of the data received. |
| 4) int getOffset() | It returns the offset of the data to be sent or the offset of the data received. |
| 5) int getPort() | It returns the port number on the remote host to which the datagram is being sent or from which the datagram was received. |
| 6) SocketAddress getSocketAddress() | It gets the SocketAddress (IP address + port number) of the remote host that the packet is being sent to or is coming from. |
| 7) void setAddress(InetAddress iaddr) | It sets the IP address of the machine to which the datagram is being sent. |
| 8) void setData(byte[] buff) | It sets the data buffer for the packet. |
| 9) void setLength(int length) | It sets the length of the packet. |
| 10) void setPort(int iport) | It sets the port number on the remote host to which the datagram is being sent. |
| 11) void setSocketAddress(SocketAddress addr) | It sets the SocketAddress (IP address + port number) of the remote host to which the datagram is being sent. |

**Java DatagramSocket Class**

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| **Method** | **Description** |
| void bind(SocketAddress addr) | It binds the DatagramSocket to a specific address and port. |
| void close() | It closes the datagram socket. |
| void connect(InetAddress address, int port) | It connects the socket to a remote address for the socket. |
| void disconnect() | It disconnects the socket. |
| boolean getBroadcast() | It tests if SO\_BROADCAST is enabled. |
| DatagramChannel getChannel() | It returns the unique DatagramChannel object associated with the datagram socket. |
| InetAddress getInetAddress() | It returns the address to where the socket is connected. |
| InetAddress getLocalAddress() | It gets the local address to which the socket is connected. |
| int getLocalPort() | It returns the port number on the local host to which the socket is bound. |
| SocketAddress getLocalSocketAddress() | It returns the address of the endpoint the socket is bound to. |
| int getPort() | It returns the port number to which the socket is connected. |
| int getReceiverBufferSize() | It gets the value of the SO\_RCVBUF option for this DatagramSocket that is the buffer size used by the platform for input on the DatagramSocket. |
| boolean isClosed() | It returns the status of socket i.e. closed or not. |
| boolean isConnected() | It returns the connection state of the socket. |
| void send(DatagramPacket p) | It sends the datagram packet from the socket. |
| void receive(DatagramPacket p) | It receives the datagram packet from the socket. |