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Socket Programming

=> Socket Programming :-

- ➔ Socket Programming is used for communication between two systems (two JRE)
- ➔ Socket Programming can be connection-oriented or connection-less
- ➔ To achieve Socket Programming java has provided one package `java.net` package
- ➔ For connection-oriented TCP is used and java provides some classes i.e. `ServerSocket` & `Socket`
- ➔ For connection-less UDP is used and java provides some classes i.e. `DatagramPacket` & `DatagramSocket`
- ➔ These all classes are present in `java.net` package
- ➔ Socket Programming is used to create distributed applications

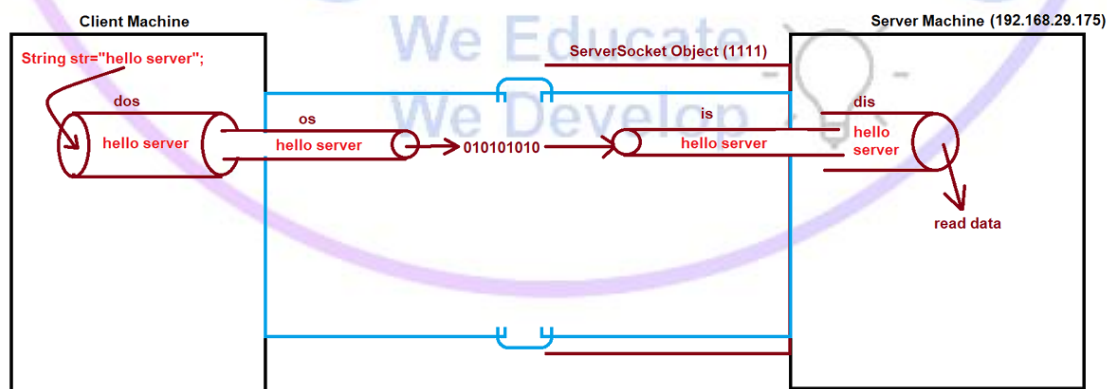
=> Steps for Socket Programming :-

➔ Steps for Server side -

1. Create ServerSocket object and run it on certain port number
2. Call accept() method of ServerSocket class. It will wait for client request and as soon as client sends the request, it will accept the request

➔ Steps for Client side -

1. Create Socket object on client side and provide IP Address and Port Number



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