**Misconception check.**

Select 2 programming language and compare the advantages and disadvantages of their socket programming.

**JAVA**

**ADVANTAGES: DISADVANTAGES:**

\*Simple \*Performance

\*Object Oriented \*Look and Feel

\*Platform independent \*Single paradigm

\*Distributed computing \*Memory management

\*Secure

\*Multithreaded

**C++**

**ADVANTAGES: DISADVANTAGES:**

\*Portability \*Use of pointer

\*Object oriented \*Security issue

\*Multi paradigm \*Absence of garbage collector

\*Low level manipulation \*Absence of built in thread

\*Memory management

**B. EXPLORE : API Specification list**

1. Give all of socket and server socket methods with their description.

**Client Socket Methods**

The client in the client-server architecture requests the server and receives services from the server.

**General Socket Methods**

Other than client and server socket methods, there are some general socket methods, which are very useful in socket programming.

**SERVER SOCKET METHOD:**

Socket. Bind () – this method bind the address ( hostname, port number) to the socket.

Socket. Listen() – basically listen to the connections made to the socket.

Socket. Accept() – accept TCP client connection.

**D.EVALUATE**

**SELF ASSESSMENT.**

Kindly check ( /) the box of your answer for each question, in this way, we will be able to assess how much we have learned and what are the things need to be improved.

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| --- | --- | --- | --- |
| **QUESTIONS** | **YES** | **NO** | **MAYBE** |
| 1.Did I work hard on this module? | / |  |  |
| 2.Did I understand what mu teacher asked me to do? | / |  |  |
| 3.Did I spend enough time to finish answering this module? | / |  |  |
| 4.Did I make good use of available resources? | / |  |  |
| 5.Did I check / review my work for possible errors?  6.Did I learned something in this module | / |  |  |
| 7.Did I ask questions if I needed help? | / |  |  |
| 8.Did I read instructions carefully? | / |  |  |
| 9.Did I set high standards for myself? | / |  |  |
| 10.Did I meet the success criteria? | / |  |  |