Name Dawood Sanforg.

Roll no: 20p-0153

Section: BSCS-6B

Assignment Remote procedure call (RPd).

RPC : Remote procedure call, is a protocal that allows a client to call a procedure or Junction on a remote server as 17 it were calling a local Junction.

Morking The client makes a request to the server, specifying the name of the remote procedure to be executed, along with any recessary parameters. The request is send over the network to the server. The server receives the request of determines which procedure to execute based on the name of the requested function. The server executes the procedure passing in any necessary parameters. The procedure executes of relums a result to the server. The server sends that the result back over the network to the client. The client receives the result of the network to the client.

RPC can use voisious transport psetocols for communication between the client 4 server, such as HTTP, TCP/IP, or UDP. RPC can be.

Synchronous or asynchronous, depending on wether the client wants for the server to return a result or continues enecuting aller tasks while waiting for sesuls.

RPC is often used in client-server architectures, distorbuled systems, and microservices, where it enables components to communicate a collaborate with each other over a network. RPC provides a way for developers to create distorbuted systems that appear to work as if they were monolithic systems (type of software where all compounds are integrated 4 deployed as a single unit).

