



18IT670 CLOUD COMPUTING LAB Viva -2

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List a few Exceptions handled in an RMI client and server program. *

UnmarshalException,
UnexpectedException,
ServerError,
ServerException,
RemoteException,



MalformedURLException,
ServerRuntimeException.

CORBA stands for: *

Common Object Request Broker Architecture

Define the RMI Architecture and which layer intercepts method calls made by the client/redirects these calls to a remote RMI service. *

RMI should have client and server class, Remote interface, UnicastRemoteObject class

Stub & Skeleton Layer

Reg.No *

18IT116

RMI uses which protocol on top of TCP/IP. *



Explain the relevance of Remote Method Execution in Cloud environment. Give Your Idea. *

The RMI provides remote communication between the applications using two objects stub and skeleton. The skeleton is an object acts as a gateway for the server side object. All the incoming requests are routed through it. When the skeleton receives the incoming request. "Write Once, Run Anywhere model. RMI extends the Java model to be run everywhere." Because RMI is centered around Java, it brings the power of Java safety and portability to distributed computing.

Different Terms Used In RMI. *

Remote Object, Server Object, rmiregistry, Rmic

Section *

☒ A

☐ B



Explain about the Packages used for remote method invocation in Java *

Rmi package allows to create java object on java virtual machine and call from another machine.

java.rmi.*

RMISecurityManager,Naming,MarshallledObject<T>,Remote interface

In RMI program the following example shows the, import java.rmi.*; public interface Adder extends Remote {public int add(int x,int y)throws RemoteException;}.Explain the Source Code *

In this RMI program extend the Remote interface and declare the RemoteException with all the methods of the remote interface. Here, we are creating a remote interface that extends the Remote interface. There is only one method named add() and it declares RemoteException.

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