

CH5_001

ANSWER

COMMANDS

1 Black Out (all) Clients' Screens

Finished Code:

```
// SERVER CODE
function fadeScreenOutandIn( %start, %outTime, %waitTime, %inTime )
{
    %count = ClientGroup.getCount();
    for ( %i = 0; %i < %count; %i++ )
    {
        %clientConn = ClientGroup.getObject(%i);
        commandToClient( %clientConn , 'fadeScreenOutandIn' , %start,
                        %outTime, %waitTime, %inTime );
    }
}

// CLIENT CODE
function clientCmdFadeScreenOutandIn( %start, %outTime, %waitTime, %inTime )
{
    echo("clientCmdFadeScreenOutandIn()" );

    serverConnection.schedule( %start , setBlackout , true, %outTime );

    serverConnection.schedule( %start + %outTime + %waitTime ,
                              setBlackout , false, %inTime );
}
```

COMMANDS

2 Resolve Client's Control Object Ghost

Finished Code:

```
// CLIENT CODE
function doRemoteGhostResolution()
{
    commandToServer( 'sendControlObjectGhostData' );
}

function clientCmdReceiveControlObjectGhostData( %ghostIndex ,
                                                %serverObjectID )
{
    echo("clientCmdReceiveControlObjectGhostData()" );

    %ghostID = serverConnection.resolveGhostID( %ghostIndex );

    echo("This client's control object ghost index is ", %ghostIndex );
    echo("    This client's control object ghost ID is ", %ghostID );
    echo("    This client's control server object ID is ", %serverObjectID );
}

// SERVER CODE
function serverCmdSendControlObjectGhostData( %clientConn )
{
    echo("serverCmdSendControlObjectGhostData(", %clientConn, ")" );

    %controlObject = %clientConn.getControlObject();

    %ghostIndex = %clientConn.getGhostID( %controlObject );

    commandToClient( %clientConn , 'ReceiveControlObjectGhostData',
                    %ghostIndex , %controlObject );
}
```