/\*\* First test if everything is okay \*\*/

=> AT

<= AT /\*\* This should come back. SIM900 default is to echo back commands you enter \*\*/

<= OK /\*\* This string should tell you all is well\*\*/

=>AT+CPIN? /\*\*This is to check if SIM is unlocked. This sample assumes unlocked SIMs\*\*/

<= +CPIN: READY /\*\* If your response contains this, then it means SIM is unlocked and ready\*\*/

=>AT+CREG? /\*\*This checks if SIM is registered or not\*\*/

<=+CREG: 0,1 /\*\*This string in the response indicates SIM is registered\*\*/

=>AT+CGATT? /\*\*Check if GPRS is attached or not\*\*/

<=+CGATT: 1 /\*\*A response containing this string indicates GPRS is attached\*\*/

=>AT+CIPSHUT /\*\*Reset the IP session if any\*\*/

<=SHUT OK /\*\*This string in the response represents all IP sessions shutdown.\*\*/

=>AT+CIPSTATUS /\*\*Check if the IP stack is initialized\*\*/

<=STATE: IP INITIAL /\*\*This string in the response indicates IP stack is initialized\*\*/

=>AT+CIPMUX=0 /\*\*To keep things simple, I’m setting up a single connection mode\*\*/

<=OK /\*\*This string indicates single connection mode set successfully at SIM 900\*\*/

=>AT+CSTT= “APN”, “UNAME”, “PWD” /\*\*Start the task, based on the SIM card you are using, you need to know the APN, username and password for your service provider\*\*/

<= OK /\*\*This response indicates task started successfully\*\*/

=> AT+CIICR /\*\*Now bring up the wireless. Please note, the response to this might take some time\*\*/

<=OK /\*\*This text in response string indicates wireless is up\*\*/

=>AT+CIFSR /\*\*Get the local IP address. Some people say that this step is not required, but if I do not issue this, it was not working for my case. So I made this mandatory, no harm.\*\*/

<= xxx.xxx.xxx.xxx /\*\*If previous command is successful, you should see an IP address in the response\*\*/

=>AT+CIPSTART= “TCP” , “www.vishnusharma.com”, “80” /\*\*Start the connection, TCP, domain name, port\*\*/

<= CONNECT OK /\*\*This string in the response indicates TCP connection established\*\*/

=>AT+CIPSEND /\*\*Request initiation of data sending (the request)\*\*/

<= > /\*\*The response should be the string “>” to indicate, type your data to send\*\*/

=> xxxxxx /\*\*Just type anything for now\*\*/

=>#026 /\*\*Now type the sequence #026. This tells the terminal.exe to send the hex code 0x1a (which is Ctrl+Z) to indicate end of data sending\*\*/

<= xxxxxxxxxx /\*\*You should get some response back from the server…it would generally be a complain that the request string was not valid…but that is a different subject…you have established the connection\*\*/

/\*\*To close the connection\*\*/

=>AT+CIPSHUT /\*\*Request shutting down of the current connections\*\*/

<=SHUT OK /\*\*Indicates shutdown successful\*\*/