

PANIMALAR ENGINEERING COLLEGE

DEVELOPING PYTHON SCRIPT

DATE	03-11-2022
Team ID	PNT2022TMID01167
Project Name	Smart Solutions For Railways
Maximum Marks	4 Marks

LOCATION DATA:

```
<html lang="en">
<head>
<meta charset="utf-8">
<title>FRED-powered chat app</title>
<script src="http://code.jquery.com/jquery-1.11.3.min.js"></script>
<script src="http://code.jquery.com/jquery-migrate-1.2.1.min.js"></script>
</head>
<body>
<div id="messages"></div>
<!-- Important to configure onsubmit to false to prevent page refresh when pressing the return key -->
<form id="form" onsubmit="return false;">
<input id="text" type="text" onkeypress="return sendText(event)" />
</form>
<script type="text/javascript">

// Open a websocket using FRED.

var publishSocket = new
WebSocket("wss://{{yourusername}}.fred.sensetecnic.com/api/public/messagereceive"); //server receives

var listenSocket = new
WebSocket("wss://{{yourusername}}.fred.sensetecnic.com/api/public/messagepublish"); //server publishes
```

```

listenSocket.onmessage = function (event) {
    // When receiving a message append a div child to #messages
    data = JSON.parse(event.data);

    $("#messages").append("<div class='msg sentiment"+data.sentiment+"'" >" + data.timestamp + " - " + data.msg + "</div>")

    if ($("#messages").children().length > 10 ) { $("#messages :first-child").remove();}

}

function sendText(event) {
    if (event.keyCode == 13) { // Only if return key pressed
        // Construct object containing the data the server needs.

        d = new Date();

        var data = {

            msg: $("#text").val(),
            timestamp: d.getHours() + ":" + d.getMinutes() + ":" + d.getSeconds()
        };

        publishSocket.send(JSON.stringify(data)); // Send the msg object as a JSON-formatted string.

        $("#text").val(""); // Blank the text input element
    }
}

</script>
</body>
</html>

```