

Develop a python script

Publish data to the IBM cloud

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Project name: Smart waste management system in metropolitan cities

The screenshot displays the IBM Watson IoT Platform interface. At the top, there are tabs for 'Browse', 'Actions', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. On the right, there is a 'Device Simulator' toggle switch and a 'Add Device' button. The main content area shows a table with columns: 'Device ID', 'Status', 'Device Type', 'Class ID', 'Date Added', and 'Descriptive Location'. A device with ID '09RT6' is shown as 'Connected'. Below this, a 'Recent Events' tab is selected, showing a list of events with columns: 'Event', 'Value', 'Format', and 'Last Received'. The events are as follows:

Event	Value	Format	Last Received
IoT Sensor	["dist":48,"load":14]	json	a few seconds ago
IoT Sensor	["type":"Buffer","data":{"34,97,108,101,114,116,...}}	json	a few seconds ago
event	["Alert distance":94,5]	json	a few seconds ago
IoT Sensor	["dist":68,"load":5]	json	a few seconds ago
IoT Sensor	["type":"Buffer","data":{"34,97,108,101,114,116,...}}	json	a few seconds ago

At the bottom, there is a 'Items per page' dropdown set to 50, and a status indicator '1 Simulation running'. A small inset window shows a 'Scrip & Sketch' tool with a message 'Scrip saved to clipboard'.

CODE FOR REGISTRATION AND LOGIN CREDENTIALS:

```
<!DOCTYPE html>

<html>

  <head>  <style>  body{  background-
image:url('background.jpg'); background-
repeat:                no-repeat;
                        background
-  attachment:  fixed;  background-
size:100% 100%;

  }
</style>

  <base target="_top">

  <script>

    functionAdd
    Row()

    {

      var username = document.
getElementById("username").value;var password =
document.getElementById("password").value; varemail =
document.getElementById("email").value;      var phone =
document .getElementById("phone").value; if
(username==" " || password==" " || email==" " ||
  phone==" ") {return false;
  }
else {

  google.script.run.AddRecord(username,password,email,phon
e); document.getElementById("page2_id1").className=
"page2_id1-off";
document.getElementById("page3_id1").className =
"page3_id1";
```

```
}
```

```
}
```

```
function LoginUser()
```

```
{
```

```
var username =
```

```
document.getElementById("username").value; var password =
```

```
document.getElementById("password").value;
```

```
google.script.run.withSuccessHandler(function(output)
```

```
{
```

```
if(output == 'TRUE')
```

```
{
```

```
var url1 ='http://www.google.com';
```

```
var winRef = window.open(url1);
```

```
winRef ? google.script.host.close() :
```

```
window.onload=function(){document.getElementById('url').href = url1;}
```

```
}
```

```
else if(output == 'FALSE')
```

```
{
```

```
document.getElementById("errorMessage").innerHTML = "Invalid data";
```

```
}
```

```
}).checkLogin(username, password);
```

```
}
```

```
function function1(){ document.getElementById("page1_id1").className
```

```
= "page1_class1-off"; document.getElementById("page2_id1").className
```

```
= "page2_id1";
```

```
}
```

```
function function3(){ document.getElementById("page3_id1").className
```

```
= "page3_id1-off"; document.getElementById("page1_id1").className =
```

```
"page1_id1";
```

```
}
```

```
</script>
```

```
<style>
```

```
/page1/ .page1_class1-off{
```

```
    display:none;
```

```
}
```

```
/page2/
```

```
.page2_class1{
```

```
    display:none;
```

```
}
```

```
.page2_id1-
```

```
off{
```

```
display:none;
```

```
}
```

```
/page3/
```

```
.page3_class1
```

```
{
```

```
    display:non
```

```
e;
```

```
}
```

```
.page3_id1-
```

```
off{
```

```
display:none;
```

```
}
```

```
    }  
input[type=text]:hover{ border-bottom:2px solid black;  
    }  
input[type=number]:hover{
```

```

        border-bottom:2px solid black;

    }
input[type=password]:hover{
        border
-bottom:2px solid black;
    }

</style>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
    <br><br>
<!--page1-->
<center>
    <div class="page1_class1" id="page1_id1" style="background-color:rgb(135, 207,
235);border:2px solid gray;border-radius: 20px;width: 250px;padding-top: 10px;padding-
bottom: 20px;padding-left:20px;padding-right: 20px;">

        <h1>Login Here</h1>

        <br>

        <p>Username</p>

        <input type="text" id="username" placeholder=" Enter Username" style=";outline: none;
text-align: center;font-size:0.9em ;width: 50%;font-weight:bold;" /><br> <br>

        <p>Password</p>

        <input type="password" id="password" placeholder=" Enter Password" style="border-
top: none;border-right: none;border-left: none;outline: none; text-align: center;font-
size:0.9em ;width:50%;font-weight:bold;" />

        <br><span id="errorMessage" style="color: red" ></span><br>

        <br>

        <input type="submit" value="Login" onclick="LoginUser()" style="float:
centre;padding-top:1px;padding-bottom: 1px;padding-left: 10px;padding-right:
10px;font-size: 0.9em;font- weight:bold;" /><br>

        <br><br>

```

```
    <b>If you don't have an account,</b><input type="button" onClick="function1()"
value="CreateNew" style="margin-top: 5px;font-weight:bold;" />
</div>
```

```
<!--page2-->
```

```
<div class="page2_class1" id="page2_id1" style="background-color:rgb(135, 207,
235);border:2px solid gray;border-radius: 20px;width: 250px;padding-top: 10px;padding-
bottom: 20px;padding-left:20px;padding-right: 20px;">
```

```
<h1>Register Here</h1>
```

```
<p>Name</p>
```

```
    <input type="text" id="usernamee" placeholder=" Enter Name" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;font-
size:0.9em ;width:50%;fontweight:bold;" /><br>
```

```
    <br>
```

```
<p>Password</p>
```

```
    <input type="password" id="passwordd" placeholder="Create password"
style="border-top: none;border-right: none;border-left: none;outline: none; text-align:
center;font-size: 0.9;width:50%;font-weight:bold;" /><br>
```

```
    <br>
```

```
<p>Email</p>
>
```

```
    <input type="text" id="email" placeholder=" Enter Email" style="border-top:
none;border-right:none;border-left: none;outline: none; text-align: center;font-
size:0.9em ;width: 50%;fontweight:bold;" /><br>
```

```
    <br>
```

```
<p>Phone Number</p>
```

```
    <input type="number" id="phone" placeholder="Enter number" style="border-top:
none;borderright: none;border-left: none;outline: none; text-align: center;font-
size:0.9em ;width:50%;fontweight:bold;" /><br><br>    <br><br>
```

```
    <input type="submit" value="Create" onclick="AddRow()" style="float:
centre;padding-top:1px;padding-bottom: 1px;padding-left: 10px;padding-right:
10px;font-size: 0.9em;font- weight:bold;" />
```

```
    <br>
```

```
</div>
```

```
<!--page3-->
```

```
<div class="page3_class1" id="page3_id1" style="background:none;border:2px
solid gray;borderradius: 20px;width: 250px;padding-top: 10px;padding-bottom:
20px;padding-left:20px;paddingright: 20px;"><center>
```

```
<h2> REGISTRATION SUCCESSFUL! Login to your account</h2>
```

```
<input type="submit" onClick="function3()" value="Login" style="font-weight:bold;"><br>
```

```
</div>
```

```
</center>
```

```
</body>
```

```
</html>
```