

PROJECT NAME  
TEAM ID

SmartFarmer - IoT Enabled Smart Farming Application  
PNT2022TMID18062

### CODE:

```
Python Script:
import wiotp.sdk.device
import time import os
import random
myconfig = {
    "identity": {
        "orgId":"3lnltf",
        "typeId":"NodeMCU",
        "deviceId":"12345"
    },
    "auth":{
        "token":"12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myconfig,
logHandlers=None)
client.connect()

def myCommandCallback(cmd):
    print("Messure recived from IBM ToT Platform: %s" %
cmd.data['command'])    m=cmd.data['command']
if(m=="Motor is switched on"):    print("Motoris
switched on")    elif(m=="motoroff"):    print("Motor is
switched OFF")    print("") while True:
soil=random.randint(22, 100)    temp=random.randint(-
20, 125)    hum=random.randint(0, 100)
    myData={'soil_moisture':soil, 'temperature':temp,'humidity':hum}
client.publishEvent(eventId="status",msgFormat="json",
data=myData,qos=0, onPublish=None )    print
("Published data Successfully: %s",myData)
time.sleep(2)
    client.commandCallback= myCommandCallback
client.disconnect()
```

Node RED:

```
{{"id":"55532a3a9414ada1","type":"tab","label":"Flow
1","disabled":false,"info":"","env":[]},{{"id":"dd8948acf63987d6","type":"ibm
iot
in","z":"55532a3a9414ada1","authentication":"apiKey","apiKey":"640094
16e5d88d75","inputType":"evt","logicalInterface":"","ruleId":"","deviceId":"
12345","applicationId":"","deviceType":"NodeMCU","eventType":"+","com
mandType":"","format":"json","name":"IBM
IoT","service":"registered","allDevices":"","allApplications":"","allDeviceTy
pes":false,"allLogicalInterfaces":"","allEvents":true,"allCommands":"","all
Formats":"","qos":0,"x":90,"y":200,"wires":[["cc5ee96d1fe8c0ec","4640bf
220608c2b5","8878c5a96c8bd6c7"]]},{"id":"cc5ee96d1fe8c0ec","type":"f
unction","z":"55532a3a9414ada1","name":"Soil
Moisture","func":"global.set('moist',msg.payload.soil_moisture)\nmsg.pay
load=msg.payload.soil_moisture\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","libs":[],"x":330,"y":14
0,"wires":[["be4ecfdbd3805c1c","234da12208d57a19","823ed8368aa8fa
6a"]]},{"id":"4640bf220608c2b5","type":"function","z":"55532a3a9414ada
1","name":"humidity","func":"global.set('hum',msg.payload.humidity)\nms
g.payload=msg.payload.humidity\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","libs":[],"x":300,"y":20
0,"wires":[["42e41d121e826584","234da12208d57a19"]]},{"id":"8878c5a9
6c8bd6c7","type":"function","z":"55532a3a9414ada1","name":"Temperat
ure","func":"global.set('temp',msg.payload.temperature)\nmsg.payload=
msg.payload.temperature\nreturn
msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","libs":[],"x":310,"y":26
0,"wires":[["e006a1f31e1084f2","234da12208d57a19"]]},{"id":"42e41d12
1e826584","type":"ui_chart","z":"55532a3a9414ada1","name":"","group":
"32c77595865857f1","order":1,"width":0,"height":0,"label":"Humidity","
chartType":"line","legend":"false","xformat":"HH:mm:ss","interpolate":"lin
ear","nodata":"","dot":false,"ymin":"","ymax":"","removeOlder":1,"remove
OlderPoints":"","removeOlderUnit":"3600","cutout":0,"useOneColor":false
,"useUTC":false,"colors":["#1f77b4","#aec7e8","#ff7f0e","#2ca02c","#98d
f8a","#d62728","#ff9896","#9467bd","#c5b0d5"],"outputs":1,"useDifferent
Color":false,"x":640,"y":200,"wires":[[]]},{"id":"e006a1f31e1084f2","type":
"ui_chart","z":"55532a3a9414ada1","name":"","group":"32c77595865857f
1","order":2,"width":0,"height":0,"label":"Temperature","chartType":"lin
e","legend":"false","xformat":"HH:mm:ss","interpolate":"linear","nodata":
,"dot":false,"ymin":"","ymax":"","removeOlder":1,"removeOlderPoints":"","
removeOlderUnit":"3600","cutout":0,"useOneColor":false,"useUTC":false
,"colors":["#1f77b4","#aec7e8","#ff7f0e","#2ca02c","#98df8a","#d62728",
"#ff9896","#9467bd","#c5b0d5"],"outputs":1,"useDifferentColor":false,"x":

```

```
630,"y":260,"wires":[]},{id:"be4ecfdbd3805c1c","type":"switch","z":55532a3a9414ada1,"name":"","property":"payload","propertyType":"msg","rules":[{"t":"eq","v":"20","vt":"str"}],"checkall":"true","repair":false,"outputs":1,"x":150,"y":360,"wires":["6cc86205e44277fb"]},{id:"0215325ab54b8d51","type":"debug","z":55532a3a9414ada1,"name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","targetType":"msg","statusVal":"","statusType":"auto","x":650,"y":440,"wires":[]},{id:"6cc86205e44277fb","type":"httprequest","z":55532a3a9414ada1,"name":"","method":"GET","ret":"txt","paytoqs":"ignore","url":"https://www.fast2sms.com/dev/bulkV2?authorization=w3caxunBXmh5pO4KYsbdQEvAoS96UZ7tegHiGIN0yfiLWr8JkXAbmHyVvoj5SJGMlls419xckpi0rwf&route=q&message=low%20soil%20moisture%20level&language=english&flash=1&numbers=8870252283","tls":"","persist":false,"proxy":"","authType":"","senderr":false,"x":370,"y":440,"wires":["0215325ab54b8d51"]},{id:"234da12208d57a19","type":"debug","z":55532a3a9414ada1,"name":"","active":false,"tosidebar":true,"console":false,"tostatus":false,"complete":false,"statusVal":"","statusType":"auto","x":630,"y":340,"wires":[]},{id:"3ddb7cc7ae9c17a4e","type":"function","z":55532a3a9414ada1,"name":"data","func":"msg.payload = {\n  'temperature': global.get('temp'),\n  'humidity': global.get('hum'),\n  'moisture': global.get('moist')\n}\nreturn\nmsg;","outputs":1,"noerr":0,"initialize":"","finalize":"","libs":[],"x":370,"y":520,"wires":["72cb90bf9a4ea129"]},{id:"72cb90bf9a4ea129","type":"httpresponse","z":55532a3a9414ada1,"name":"","statusCode":"","headers":{},"x":650,"y":520,"wires":[]},{id:"a32037baad643597","type":"httpin","z":55532a3a9414ada1,"name":"","url":"/DATA","method":"get","upload":false,"swaggerDoc":"","x":180,"y":520,"wires":["3ddb7cc7ae9c17a4e"]},{id:"e9c894340e352161","type":"ui_button","z":55532a3a9414ada1,"name":"","group":"5a9be2a7.35e99c","order":0,"width":3,"height":2,"passthru":false,"label":"Motor on","tooltip":"","color":"","bgcolor":"","icon":"","payload":"{\n  'command': 'motoron'\n}","payloadType":"json","topic":"","topicType":"str","x":300,"y":580,"wires":["e00aec1775ab7ba1","af4693e1abeca7a2"]},{id:"e00aec1775ab7ba1","type":"ibmiotout","z":55532a3a9414ada1,"authentication":"apiKey","apiKey":"64009416e5d88d75","outputType":"cmd","deviceId":"12345","deviceType":"NodeMCU","eventCommandType":"cmd","format":"json","data":"data","qos":0,"name":"IBMLoT","service":"registered","x":540,"y":580,"wires":[]},{id:"436ec2969a88e928","type":"ui_button","z":55532a3a9414ada1,"name":"","group":"5a9be2a7.35e99c","order":1,"width":3,"height":2,"passthru":false,"label":}
```

```

"mortor
off","tooltip":"","color":"","bgcolor":"","icon":"","payload":{"command":"\m
otoroff"},"payloadType":"json","topic":"topic","topicType":"str","x":300,"y
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3e1abeca7a2","type":"debug","z":"55532a3a9414ada1","name":"","active
":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payloa
d","targetType":"msg","statusVal":"","statusType":"auto","x":530,"y":640,"
wires":[]},{"id":"dd8a9df81aaebedf","type":"http
in","z":"55532a3a9414ada1","name":"","url":"/command","method":"get","
upload":false,"swaggerDoc":"","x":320,"y":700,"wires":[["05c851ba0d5bf5
de","af4693e1abeca7a2","e00aec1775ab7ba1"]],{"id":"05c851ba0d5bf5
de","type":"http
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{},"x":530,"y":700,"wires":[]},{"id":"823ed8368aa8fa6a","type":"ui_gauge",
"z":"55532a3a9414ada1","name":"","group":"2a4abd11.a253a2","order":
0,"width":0,"height":0,"gtype":"gage","title":"Soil
Moisture","label":"units","format":"{{value}}","min":0,"max":100,"colors":[
"#00b500","#e6e600","#ca3838"],"seg1":"","seg2":"","x":650,"y":140,"wire
s":[]},{"id":"64009416e5d88d75","type":"ibmiot","name":"API","keepalive":
"60","serverName":"","cleansession":true,"appld":"","shared":false},{"id":
"32c77595865857f1","type":"ui_group","name":"Default","tab":"5f4c2ea5.
dc4e3","order":3,"disp":true,"width":"6","collapse":false},{"id":"5a9be2a7.
35e99c","type":"ui_group","name":"Default","tab":"5f4c2ea5.dc4e3","orde
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e":"ui_group","name":"Soil
moisture","tab":"513e92a0.840a9c","order":1,"disp":true,"width":"8","colla
pse":true},{"id":"5f4c2ea5.dc4e3","type":"ui_tab","name":"Home","icon":
"dashboard","disabled":false,"hidden":false},{"id":"513e92a0.840a9c","typ
e":"ui_tab","name":"Home","icon":"dashboard","order":1,"disabled":false,"
hidden":false}]

```

MIT App:

```
<!DOCTYPE html> <!--
```

saved from

```
url=(0048)http://ai2.appinventor.mit.edu/#5592391764279296 --> <html
style="overflow: auto;"><head><meta http-equiv="Content-Type"
content="text/html; charset=UTF-8"><style>HTML{margin:0
```

```
!important;border:none !important;}.dragdrop-
```

```
handle{cursor:move;userselect:none;-khtml-user-select:none;-moz-user-
select:none;}.dragdropdraggable{zoom:1;}.dragdrop-
```

```
dragging{zoom:normal;}.dragdroppositioner{border:1px dashed
```

```

#1e90ff;margin:0 !important;zoom:1;zindex:100;}.dragdrop-flow-
panelpositioner{color:#1e90ff;display:inline;text-
align:center;verticalalign:middle;}.dragdrop-proxy{background-
color:#7af;}.dragdropselected,.dragdrop-dragging,.dragdrop-
proxy{filter:alpha(opacity \=
30);opacity:0.3;}.dragdrop-movable-panel{z-index:200;margin:0
!important;border:none !important;}</style>
<meta http-equiv="X-UA-Compatible" content="IE=10">

<!--meta name="gwt:property" content="locale=en_US"-->
<!-- Title is set at runtime. -->
<title>MIT App Inventor</title>
<!-- Google Analytics. -->
<script type="text/javascript" async="" src="./MIT App
Inventor_files/ga.js.download"></script><script type="text/javascript">
var _gaq = _gaq || [];
  _gaq.push(['_setAccount', 'UA-28621056-1']);
  _gaq.push(['_setDomainName', 'ai2.appinventor.mit.edu']);
  _gaq.push(['_setAllowLinker', true]);
  _gaq.push(['_trackPageview']);
  (function() {
    var ga = document.createElement('script'); ga.type =
'text/javascript'; ga.async = true;    ga.src = ('https:' ==
document.location.protocol ? 'https://ssl' :
'http://www') + '.google-analytics.com/ga.js';
    var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(ga, s);
  })();
</script>
<link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/gwt.css">
<link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/blockly.css">
<link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/ai2blockly.css">
<link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/dialog.css">
<link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/hsvpalette.css">
<link type="text/css" rel="stylesheet" href="./MIT App

```

```

Inventor_files/font-awesome.min.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/leaflet.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/leaflet.toolbar.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/leaflet-vector-markers.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/Ya.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/android_holo.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/android_material.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/iOS.css">
  <link type="text/css" rel="stylesheet" href="./MIT App
Inventor_files/DarkTheme.css">
  <noscript>
    <div class="floatingBox">
      <h2> App Inventor needs JavaScript enabled to run.</h2>
</div>
  </noscript>
  <script src="./MIT App
Inventor_files/07550E3C801A777506EB0AD54C97601D.cache.js.downl
oad"></script><style type="text/css">/* Chart.js */
@keyframes chartjs-
renderanimation{from{opacity:.99}to{opacity:1}}.chartjs-
rendermonitor{animation:chartjs-render-animation 1ms}.chartjs-
sizemonitor,.chartjs-size-monitor-expand,.chartjs-size-
monitorshrink{position:absolute;direction:ltr;left:0;top:0;right:0;bottom:0;ov
erflow:
hidden;pointer-events:none;visibility:hidden;z-index:-1}.chartjs-
sizemonitor-
expand>div{position:absolute;width:1000000px;height:1000000px;left:0;t
op:0}.chartjs-size-monitor-
shrink>div{position:absolute;width:200%;height:200%;left:0;top:0}</style
><style>.blocklyDraggable {}
.blocklySvg {
background-color: #fff;
outline: none; overflow:

```

```

hidden; position:
absolute; display:
block;
}
.blocklyWidgetDiv {
display: none; position:
absolute; z-index:
99999;
}
.injectionDiv { height:
100%; position:
relative; overflow:
hidden;
}
/*
* [lyn, 10/08/13] Control parameter fields with flydown getter/setter
  blocks.
* Brightening factors for variable color rgb(208,95,45):
* 10%: rgb(212, 111, 66)
* 20%: rgb(217, 127, 87)
* 30%: rgb(222, 143, 108)
* 40%: rgb(226, 159, 129)
* 50%: rgb(231, 175, 150)
* 60%: rgb(236, 191, 171)
* 70%: rgb(240, 207, 192)
* 80%: rgb(245, 223, 213)
* 90%: rgb(250, 239, 234)
*/
.blocklyFieldParameter>rect {
  /* fill: rgb(231,175,150);/ / This looks too much like getter/setter var */
  fill: rgb(222, 143, 108); fill-opacity: 1.0; stroke-width: 2;
  stroke: rgb(231, 175, 150);
}
.blocklyFieldParameter>text {
  /* fill: #000; / / Use white rather than black on dark orange */
  stroke-width: 1; fill: #000;
}
.blocklyFieldParameter:hover>rect {
  stroke-width: 2; stroke:
  rgb(231,175,150); fill:

```

```

rgb(231,175,150); fill-
opacity: 1.0;
}
/*
* [lyn, 10/08/13] Control flydown with the getter/setter blocks.
*/
.blocklyFieldParameterFlydown {
  fill: rgb(231,175,150); fill-
opacity: 0.8;
}
/*
* [lyn, 10/08/13] Control parameter fields with flydown procedure caller
  block.
*/
.blocklyFieldProcedure>rect {
  /* rgb(231,175,150) is procedure color rgb(124,83,133) brightened by
70% */
  fill: rgb(215,203,218); fill-
opacity: 1.0; stroke-width: 0;
  stroke: #000;
}
.blocklyFieldProcedure>text {
  fill: #000;
}
.blocklyFieldProcedure: hover>rect {
  stroke-width: 2;
stroke: #fff; fill:
rgb(215,203,218);
fill-opacity: 1.0;
}
/*
* [lyn, 10/08/13] Control flydown with the procedure caller block.
*/
.blocklyFieldProcedureFlydown {
  fill: rgb(215,203,218); fill-
opacity: 0.8;
}
/*
* Don't allow users to select text. It gets annoying when trying to *
  drag a block and selected text moves instead.

```



```

*/
.blocklyNonSelectable {
user-select: none; -
moz-user-select: none;
-webkit-user-select: none;
-ms-user-select: none;
}
.blocklyWsDragSurface {
display: none;
position:
absolute;
overflow: visible;
top: 0; left: 0;
}
.blocklyBlockDragSurface {
display: none; position:
absolute; top: 0; left: 0;
right: 0; bottom: 0;
overflow: visible !important;
z-index: 50;
}
.blocklyTooltipDiv { background-
color: #ffffc7; border: 1px solid
#ddc;
box-shadow: 4px 4px 20px 1px rgba(0,0,0,.15);
color: #000; display:
none; font-family:
sans-serif; font-size:
9pt; opacity: 0.9;
padding: 2px;
position: absolute;
z-index: 100000;
}
.blocklyResizeSE {
cursor: se-resize;
fill: #aaa;
}
.blocklyResizeSW {
cursor: sw-resize; fill:
#aaa;
}

```

```
.blocklyResizeLine {
stroke: #888; stroke-width:
1;
}
.blocklyHighlightedConnectionPath {
fill: none; stroke:
#fc3; stroke-
width: 4px;
}
.blocklyPathLight { fill:
none; stroke-linecap:
round; stroke-width:
1;
}
.blocklySelected>.blocklyPath {
stroke: #fc3; stroke-width:
3px;
}
.blocklySelected>.blocklyPathLight { display:
none;
}
.badBlock>.blocklyPath { stroke-
width: 3px;
stroke: #f00;
}
.badBlock>.blocklyPathLight {
display: none;
}
.blocklyDragging>.blocklyPath,
.blocklyDragging>.blocklyPathLight { fill-opacity:
.8;
stroke-opacity: .8;
}
.blocklyDragging>.blocklyPathDark { display:
none;
}
.blocklyDisabled>.blocklyPath { fill-opacity:
.5;
stroke-opacity: .5;
}
```

```
.blocklyDisabled>.blocklyPathLight,  
.blocklyDisabled>.blocklyPathDark { display:  
none;  
}  
.blocklyText { cursor:  
default;  
fill: #fff;  
font-family: sans-serif;  
font-size: 11pt;  
}  
.blocklyNonEditableText>text {  
pointer-events: none;  
}  
.blocklyNonEditableText>rect, .blocklyEditableText>rect {  
fill: #fff; fill-opacity:  
.6;  
}  
.blocklyNonEditableText>text, .blocklyEditableText>text  
{  
fill: #000;  
}  
.blocklyEditableText: hover>rect {  
stroke: #fff;  
stroke-width: 2;  
}  
.blocklyBubbleText { fill:  
#000;  
}  
.blocklyFlyout { position:  
absolute;  
z-index: 20;  
}  
.blocklyFlyoutButton {  
fill: #888;  
cursor: default;  
}  
.blocklyFlyoutButtonShadow {  
fill: #666;  
}
```

```

.blocklyFlyoutButton:hover { fill:
#aaa;
}
.blocklyFlyoutLabel {
cursor: default;
}
.blocklyFlyoutLabelBackground {
opacity: 0;
}
.blocklyFlyoutLabelText { fill:
#000;
}
.blocklySvg text, .blocklyBlockDragSurface text {
user-select: none; -moz-user-select: none; -
webkit-user-select: none; cursor: inherit;
}
/*
 * Selecting text for Errors and Warnings is allowed though.
 */
.blocklySvg text.blocklyErrorWarningText {
-moz-user-select: text; -webkit-user-
select: text;
user-select: text;
}
.blocklyHidden {
display: none;
}
.blocklyFieldDropdown:not(.blocklyHidden) {
display: block;
}
.blocklyIconGroup { cursor:
default;
}
.blocklyIconGroup:not(:hover), .blocklyIconGroupReadOnly
{
opacity: .6;
}
.blocklyIconShape {
fill: #00f; stroke:
#fff;

```

```

stroke-width: 1px;
}
.blocklyIconSymbol {
fill: #fff;
}
.blocklyMinimalBody { margin:
0;
padding: 0;
}
.blocklyCommentTextarea {
background-color: #ffc;
border: 0; margin: 0;
padding: 2px; resize: none;
}
.blocklyHtmlInput { border:
none; border-radius: 4px;
font-family: sans-serif;
height: 100%; margin: 0;
outline: none; padding: 0
1px; width: 100%
}
.blocklyMainBackground {
stroke-width: 1;
stroke: #c6c6c6;
}
.blocklyContextMenuBackground,
.blocklyMutatorBackground {
fill: #fff;
stroke: #ddd; stroke-width:
1;
}
.blocklyContextMenuOptions>.blocklyMenuDiv,
.blocklyContextMenuOptions>.blocklyMenuDivDisabled,
.blocklyDropdownMenuOptions>.blocklyMenuDiv {
fill: #fff; }
.blocklyContextMenuOptions>.blocklyMenuDiv: hover>rect,
.blocklyDropdownMenuOptions>.blocklyMenuDiv: hover>rect {
fill: #57e;
}
.blocklyMenuSelected>rect {

```

```

    fill: #57e;
}
.blocklyMenuText {
  cursor: default !important;
  font-family: sans-serif;
  font-size: 15px; /* All context menu sizes are based on pixels. */
  fill: #000; }
.blocklyContextMenuOptions>.blocklyMenuDiv: hover>.blocklyMenuText,
.blocklyDropdownMenuOptions>.blocklyMenuDiv: hover>.blocklyMenuText {
  fill: #fff;
}
.blocklyMenuSelected>.blocklyMenuText {
  fill: #fff;
}
.blocklyMenuDivDisabled>.blocklyMenuText {
  fill: #ccc;
}
.blocklyFlyoutBackground {
  fill: #ddd; fill-opacity:
.8;
}
.blocklyScrollbarHorizontal, .blocklyScrollbarVertical {
  position: absolute; outline: none; z-index: 30;
}
.blocklyScrollbarBackground {
  opacity: 0;
}
.blocklyScrollbarHandle {
  fill: #ccc;
}
.blocklyScrollbarBackground: hover+.blocklyScrollbarHandle,
.blocklyScrollbarHandle: hover { fill:
#bbb;
}
.blocklyZoom>image { opacity:
0.9;
}
.blocklyZoom>image: hover {
  opacity: 1;
}

```

```
.blocklyZoom>image:active {
opacity: 1;
}
.blocklyFlyout .blocklyScrollbarHandle { fill:
#bbb;
}
.blocklyFlyout
.blocklyScrollbarBackground:hover+.blocklyScrollbarHandle,
.blocklyFlyout .blocklyScrollbarHandle:hover { fill:
#aaa;
}
.blocklyInvalidInput { background:
#faa;
}
.blocklyAngleCircle {
stroke: #444;
stroke-width: 1; fill:
#ddd; fill-opacity: .8;
}
.blocklyAngleMarks {
stroke: #444; stroke-width:
1;
}
.blocklyAngleGauge {
fill: #f88; fill-opacity:
.8;
}
.blocklyAngleLine {
stroke: #f00; stroke-width:
2;
stroke-linecap: round;
}
.blocklyContextMenu {
border-radius: 4px;
}
.blocklyDropdownMenu {
padding: 0 !important;
}
```

```
.blocklyWidgetDiv .goog-option-selected .goog-menuitem-checkbox,  
.blocklyWidgetDiv .goog-option-selected .goog-menuitem-icon {  
background: url(/static/media/sprites.png) no-repeat -48px -16px  
!important;  
}  
.blocklyToolboxDiv {  
background-color: #ddd;  
overflow-x: visible;  
overflow-y: auto; position:  
absolute;  
z-index: 70;  
}  
.blocklyTreeRoot {  
padding: 4px 0;  
}  
.blocklyTreeRoot:focus { outline:  
none;  
}  
.blocklyTreeRow {  
height: 22px; line-height:  
22px; margin-bottom:  
3px; padding-right: 8px;  
white-space: nowrap;  
}  
.blocklyHorizontalTree {  
float: left;  
margin: 1px 5px 8px 0;  
}  
.blocklyHorizontalTreeRtl { float:  
right;  
margin: 1px 0 8px 5px;  
}  
.blocklyToolboxDiv[dir="RTL"] .blocklyTreeRow {  
margin-left: 8px;  
}  
.blocklyTreeRow:not(.blocklyTreeSelected):hover { background-color:  
#e4e4e4;  
}  
.blocklyTreeSeparator { border-bottom:  
solid #e5e5e5 1px;
```



```
height: 0;
margin: 5px 0;
}
.blocklyTreeSeparatorHorizontal { border-right:
solid #e5e5e5 1px;
width: 0; padding:
5px 0;
margin: 0 5px;
}
.blocklyTreeIcon {
background-image: url(/static/media/sprites.png);
height: 16px; vertical-align: middle; width: 16px;
}
.blocklyTreeIconClosedLtr { background-position:
-32px -1px;
}
.blocklyTreeIconClosedRtl { background-position:
0px -1px; }
.blocklyTreeIconOpen {
background-position: -16px -1px;
}
.blocklyTreeSelected>.blocklyTreeIconClosedLtr { background-position:
-32px -17px;
}
.blocklyTreeSelected>.blocklyTreeIconClosedRtl { background-position:
0px -17px;
}
.blocklyTreeSelected>.blocklyTreeIconOpen { background-position:
-16px -17px;
}
.blocklyTreeIconNone,
.blocklyTreeSelected>.blocklyTreeIconNone { background-position:
-48px -1px;
}
.blocklyTreeLabel {
cursor: default; font-
family: sans-serif; font-
size: 16px; padding: 0
3px;
vertical-align: middle;
```

```

}
.blocklyTreeSelected .blocklyTreeLabel { color:
#fff;
}
.blocklyWidgetDiv .goog-palette {
outline: none; cursor: default;
}
.blocklyWidgetDiv .goog-palette-table { border:
1px solid #666;
border-collapse: collapse;
}
.blocklyWidgetDiv .goog-palette-cell {
height: 13px; width: 15px; margin: 0;
border: 0; text-align: center; vertical-
align: middle; border-right: 1px solid
#666; font-size: 1px;
}
.blocklyWidgetDiv .goog-palette-colorswatch {
position: relative; height: 13px; width: 15px;
border: 1px solid #666;
}
.blocklyWidgetDiv .goog-palette-cell-hover .goog-palette-colorswatch {
border: 1px solid #FFF;
}
.blocklyWidgetDiv .goog-palette-cell-selected .goog-palette-colorswatch
{
border: 1px solid #000; color:
#fff;
}
.blocklyWidgetDiv .goog-menu {
background: #fff;
border-color: #ccc #666 #666 #ccc;
border-style: solid;
border-width: 1px; cursor:
default;
font: normal 13px Arial, sans-serif;
margin: 0; outline: none; padding:
4px 0; position: absolute;
overflow-y: auto; overflow-x:
hidden; max-height: 100%;

```

```
z-index: 20000;
}
.blocklyWidgetDiv .goog-menuitem {
color: #000;
font: normal 13px Arial, sans-serif;
list-style: none; margin:
0;
padding: 4px 7em 4px 28px;
white-space: nowrap;
}
.blocklyWidgetDiv .goog-menuitem.goog-menuitem-rtl {
padding-left: 7em; padding-right: 28px;
}
.blocklyWidgetDiv .goog-menu-nocheckbox .goog-menuitem,
.blocklyWidgetDiv .goog-menu-noicon .goog-menuitem { padding-left:
12px;
}
.blocklyWidgetDiv .goog-menu-noaccel .goog-menuitem { padding-right:
20px;
}
.blocklyWidgetDiv .goog-menuitem-content { color:
#000;
font: normal 13px Arial, sans-serif;
}
.blocklyWidgetDiv .goog-menuitem-disabled .goog-menuitem-accel,
.blocklyWidgetDiv .goog-menuitem-disabled .goog-menuitem-content {
color: #ccc !important;
}
.blocklyWidgetDiv .goog-menuitem-disabled .goog-menuitem-icon {
opacity: 0.3; -moz-opacity: 0.3; filter: alpha(opacity=30);
}
.blocklyWidgetDiv .goog-menuitem-highlight,
.blocklyWidgetDiv .goog-menuitem-hover {
background-color: #d6e9f8; border-color:
#d6e9f8; border-style: dotted; border-width:
1px 0; padding-bottom: 3px;
padding-top: 3px;
}
```

```
.blocklyWidgetDiv .goog-menuitem-checkbox,  
.blocklyWidgetDiv .goog-menuitem-icon { background-repeat:  
no-repeat;  
height: 16px; left:  
6px; position:  
absolute; right: auto;  
vertical-align:  
middle; width: 16px;  
}  
.blocklyWidgetDiv .goog-menuitem-rtl .goog-menuitem-checkbox,  
.blocklyWidgetDiv .goog-menuitem-rtl .goog-menuitem-icon { left:  
auto;  
right: 6px;  
}  
.blocklyWidgetDiv .goog-option-selected .goog-menuitem-checkbox,  
.blocklyWidgetDiv .goog-option-selected .goog-menuitem-icon {  
background: url(//ssl.gstatic.com/editor/editortoolbar.png) no-repeat  
512px 0;  
}  
.blocklyWidgetDiv .goog-menuitem-accel {  
color: #999;  
direction: ltr; left:  
auto; padding: 0  
6px; position:  
absolute; right: 0;  
text-align: right;  
}  
.blocklyWidgetDiv .goog-menuitem-rtl .goog-menuitem-accel {  
left: 0; right: auto; text-align: left;  
}  
.blocklyWidgetDiv .goog-menuitem-mnemonic-hint {  
text-decoration: underline;  
}  
.blocklyWidgetDiv .goog-menuitem-mnemonic-separator {  
color: #999; font-size: 12px;  
padding-left: 4px;  
}  
.blocklyWidgetDiv .goog-menuseparator {  
border-top: 1px solid #ccc; margin:  
4px 0;  
padding: 0;
```

```
}
.blocklyWidgetDiv .goog-date-picker,
.blocklyWidgetDiv .goog-date-picker th, .blocklyWidgetDiv
.goog-date-picker td {
  font: 13px Arial, sans-serif;
}
.blocklyWidgetDiv .goog-date-picker {
  -moz-user-focus: normal;
  -moz-user-select: none; position:
  relative;
  border: 1px solid #000;
  float: left;
  padding: 2px; color:
  #000; background:
  #c3d9ff;
  cursor: default;
}
.blocklyWidgetDiv .goog-date-picker th {
  text-align: center;
}
.blocklyWidgetDiv .goog-date-picker td {
  text-align: center; vertical-
  align: middle; padding: 1px
  3px;
}
.blocklyWidgetDiv .goog-date-picker-menu {
  position: absolute;
  background: threedface;
  border: 1px solid gray; -moz-
  user-focus: normal;
  z-index: 1;
  outline: none;
}
.blocklyWidgetDiv .goog-date-picker-menu ul {
  list-style: none;
  margin: 0px;
  padding: 0px;
}
.blocklyWidgetDiv .goog-date-picker-menu ul li {
  cursor: default;
```

```

}
.blocklyWidgetDiv .goog-date-picker-menu-selected {
background: #ccf;
}
.blocklyWidgetDiv .goog-date-picker th {
font-size: .9em;
}
.blocklyWidgetDiv .goog-date-picker td div {
float: left;
}
.blocklyWidgetDiv .goog-date-picker button {
padding: 0px; margin: 1px 0;
border: 0; color: #20c;
font-weight: bold;
background: transparent;
}
.blocklyWidgetDiv .goog-date-picker-date {
background: #fff;
}
.blocklyWidgetDiv .goog-date-picker-week,
.blocklyWidgetDiv .goog-date-picker-wday {
padding: 1px 3px; border: 0; border-
color: #a2bbdd; border-style: solid;
}
.blocklyWidgetDiv .goog-date-picker-week {
border-right-width: 1px;
}
.blocklyWidgetDiv .goog-date-picker-wday { border-bottom-
width: 1px;
}
.blocklyWidgetDiv .goog-date-picker-head td {
text-align: center;
}
.blocklyWidgetDiv td.goog-date-picker-today-cont {
text-align: center;
}
.blocklyWidgetDiv td.goog-date-picker-none-cont {
text-align: center;
}
}

```

```

.blocklyWidgetDiv .goog-date-picker-month { min-
width: 11ex;
  white-space: nowrap;
}
.blocklyWidgetDiv .goog-date-picker-year {
min-width: 6ex;  white-space: nowrap;
}
.blocklyWidgetDiv .goog-date-picker-monthyear { white-
space: nowrap;
}
.blocklyWidgetDiv .goog-date-picker table { border-collapse:
collapse;
}
.blocklyWidgetDiv .goog-date-picker-other-month {
color: #888;
}
.blocklyWidgetDiv .goog-date-picker-wkend-start,
.blocklyWidgetDiv .goog-date-picker-wkend-end {
background: #eee;
}
.blocklyWidgetDiv td.goog-date-picker-selected {
background: #c3d9ff;
}
.blocklyWidgetDiv .goog-date-picker-today {
background: #9ab;  font-weight: bold
!important;
border-color: #246 #9bd #9bd #246;
color: #fff;
}</style></head>
<!-- ODE scripts -->
<body class="gwt-bodyRob">
  <div class="floatingBox" style="display:none" id="unsupported">
    <h2> Your browser might not be compatible. </h2>    To
use App Inventor for Android, you must use a compatible
browser.<br>
    Currently the supported browsers are:
    <ul>
      <li> Google Chrome 29+ </li>
      <li> Safari 6.1+ </li>
      <li> Firefox 23+ </li>

```

```

    </ul>
</div>
<script type="text/javascript" src="./MIT App
Inventor_files/base.js.download"></script><script src="./MIT App
Inventor_files/deps.js.download"
onload="goog.Dependency.callback_(&#39;0.hoi9llmf0ng&#39;;, this)"
type="text/javascript"></script>
    <script type="text/javascript" src="./MIT App
Inventor_files/ode.nocache.js.download"></script>
    <script src="./MIT App Inventor_files/leaflet.js.download"></script>
    <script src="./MIT App
Inventor_files/leaflet.toolbar.js.download"></script>
<script src="./MIT App Inventor_files/leaflet-
vectormarkers.min.js.download"></script>
    <script src="./MIT App
Inventor_files/leafletimgicon.js.download"></script>
    <script src="./MIT App
Inventor_files/Path.Drag.js.download"></script>
    <script src="./MIT App
Inventor_files/Leaflet.Editable.js.download"></script>
    <script src="./MIT App
Inventor_files/leaflet.geometryutil.js.download"></script>
    <script src="./MIT App
Inventor_files/leaflet.snap.js.download"></script>
    <script>
        if (window.navigator.userAgent.indexOf("MSIE") != -1){
            document.getElementById("unsupported").style.display = 'block';
        }
    </script>

```