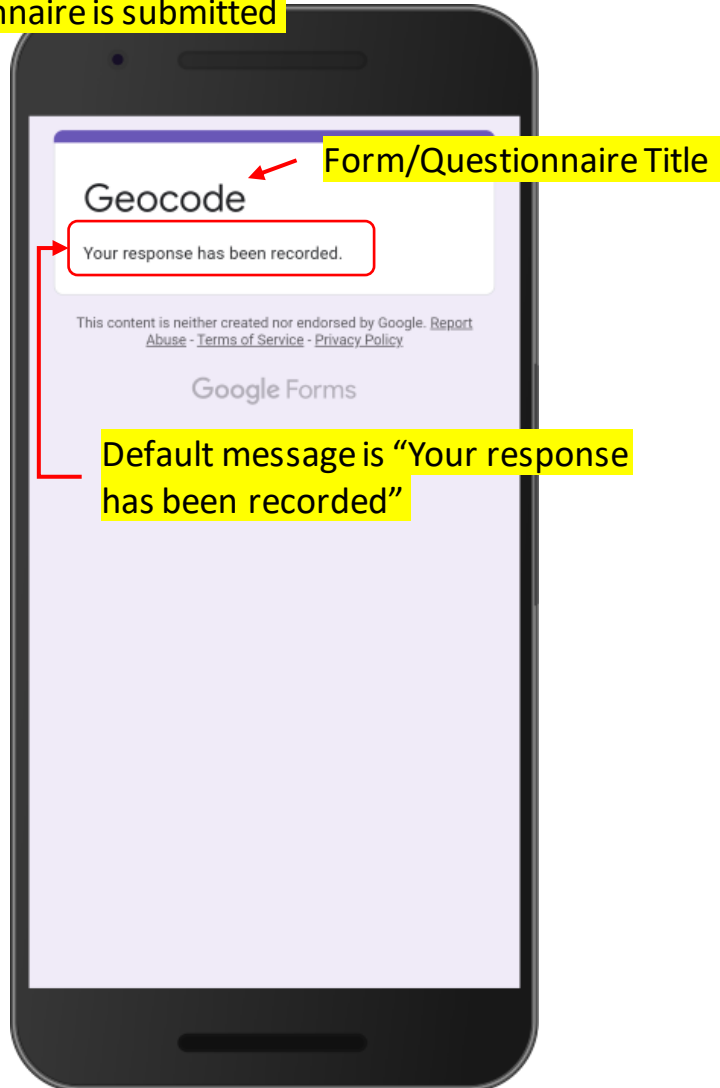


# How to Add Geo Code to Google Forms

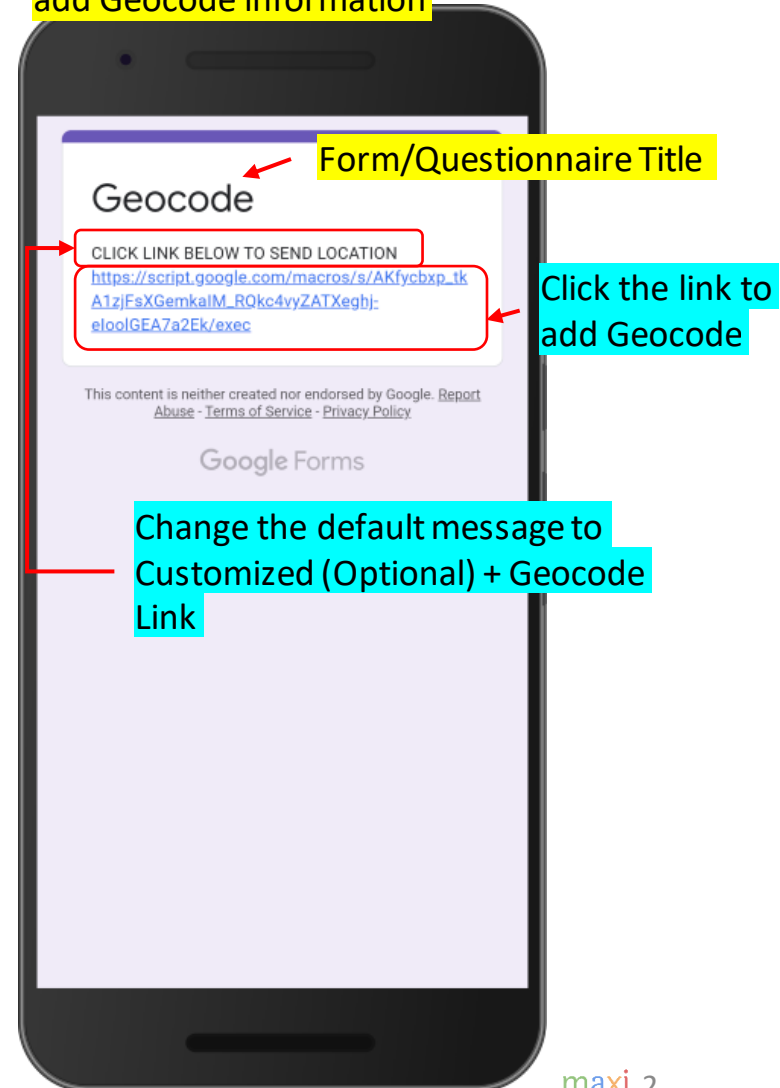
Add Info on Latitude, Longitude and Address (Street Name and Number, City, State, ZIP Code, Country) of a Device submitting Google Forms

# Google Form Submit Confirmation Message

Confirmation page is displayed after form/questionnaire is submitted



Link in Confirmation Message to add Geocode information



# Geocode for Google Forms

- Geocode information of the device submitting Google Forms can be added to your Google Forms response data spreadsheet. As is Google Form, the Geocode information is free.
- By clicking the Geocode link, the response data spreadsheet will have the following three additional columns

3 Columns will be added to original questionnaire responses data columns

	A	B	C	D	E
1	Timestamp	Location	GeoStamp	GeoCode	GeoAddress
2	5/17/2018 23:11:44	Yes	05/17/2018 23:11:49	-6.2576675999999996,106.8533283	Jl. Rawajati Barat III No.7A, Rawajati, Pancoran, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12750, Indonesia
3	5/17/2018 23:18:32	Yes	05/17/2018 23:18:37	37.747464105958976,-122.4184396093321	3119 Mission St, San Francisco, CA 94110, USA
4	5/17/2018 23:21:02	Yes	05/17/2018 23:21:07	-6.8971377,107.6165972	Jl. H. Wasid No.23, Lebakgede, Coblong, Kota Bandung, Jawa Barat 40132, Indonesia
5					
6					
7					
8					
9					
10					

1. GeoStamp = Time when Geocode link is clicked

2. Longitude and Latitude

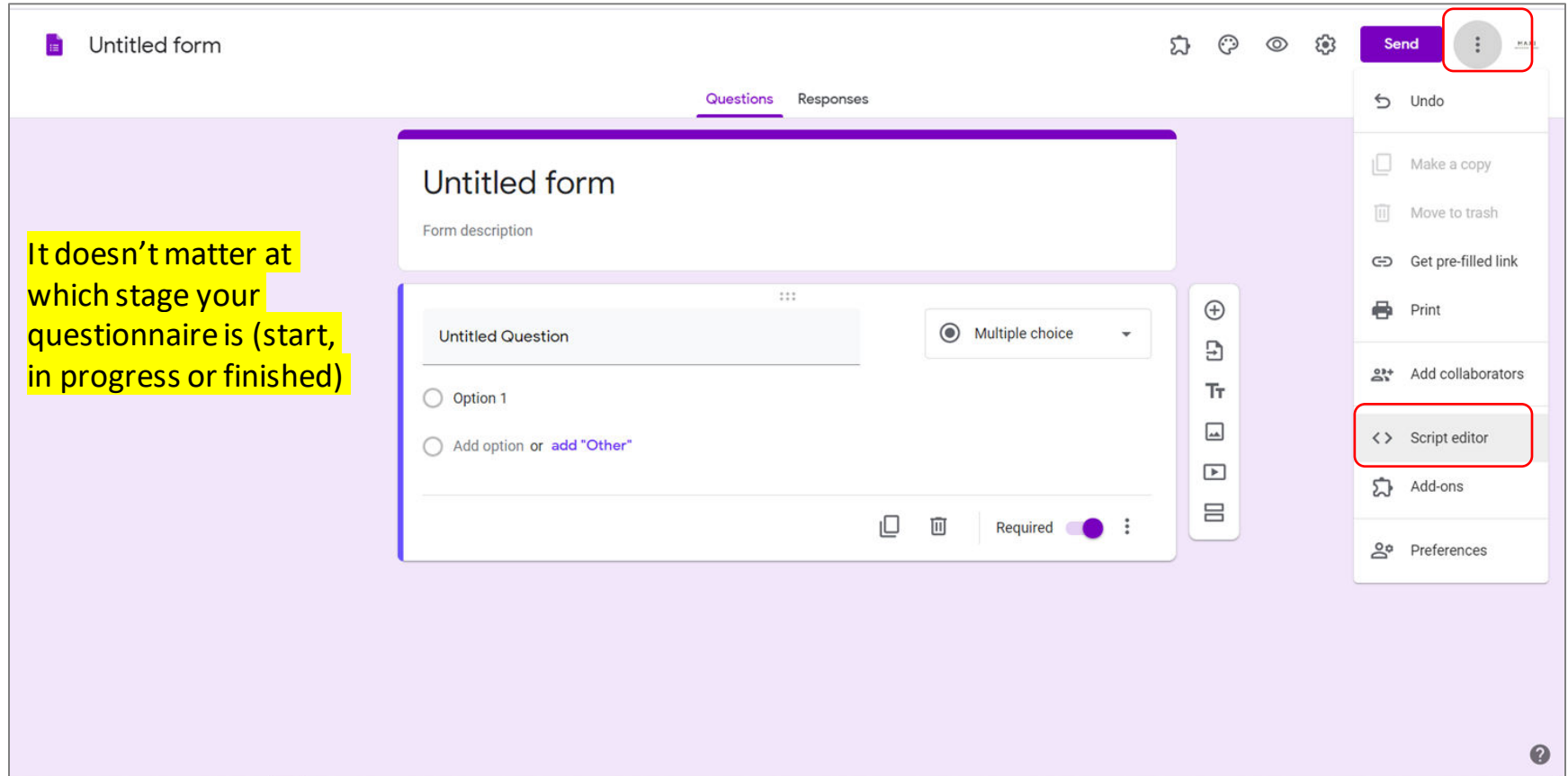
3. Address : Street name and number, city, state, zip code and country

# How to Create Geocode Link

## 1. Go to Script Editor

- In your Google Form questionnaire, go to Script editor
- Script editor is only available when you open Google Form from Laptop/PC

It doesn't matter at which stage your questionnaire is (start, in progress or finished)

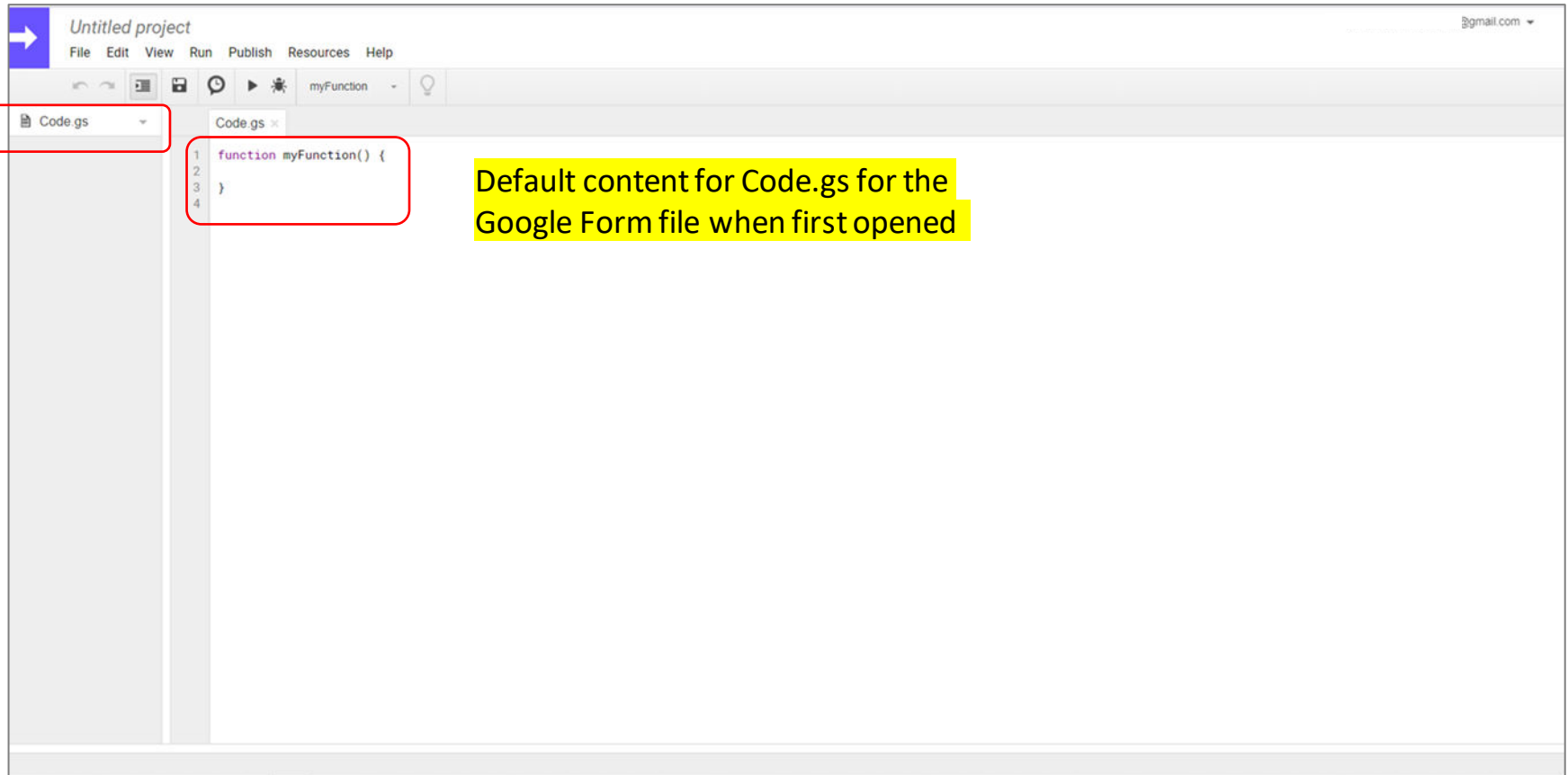


The screenshot displays the Google Forms interface. At the top left, it says 'Untitled form'. The main area is divided into 'Questions' and 'Responses' tabs. A form titled 'Untitled form' is shown with a 'Form description' field. Below it is a 'Multiple choice' question titled 'Untitled Question'. The question has two options: 'Option 1' and 'Add option or add "Other"'. The 'Required' toggle is turned on. On the right side, there is a 'Send' button and a menu with options: 'Undo', 'Make a copy', 'Move to trash', 'Get pre-filled link', 'Print', 'Add collaborators', 'Script editor' (highlighted with a red box), 'Add-ons', and 'Preferences'. A red box also highlights the three-dot menu icon next to the 'Send' button.

# How to Create Geocode Link

## 2. Script editor opened

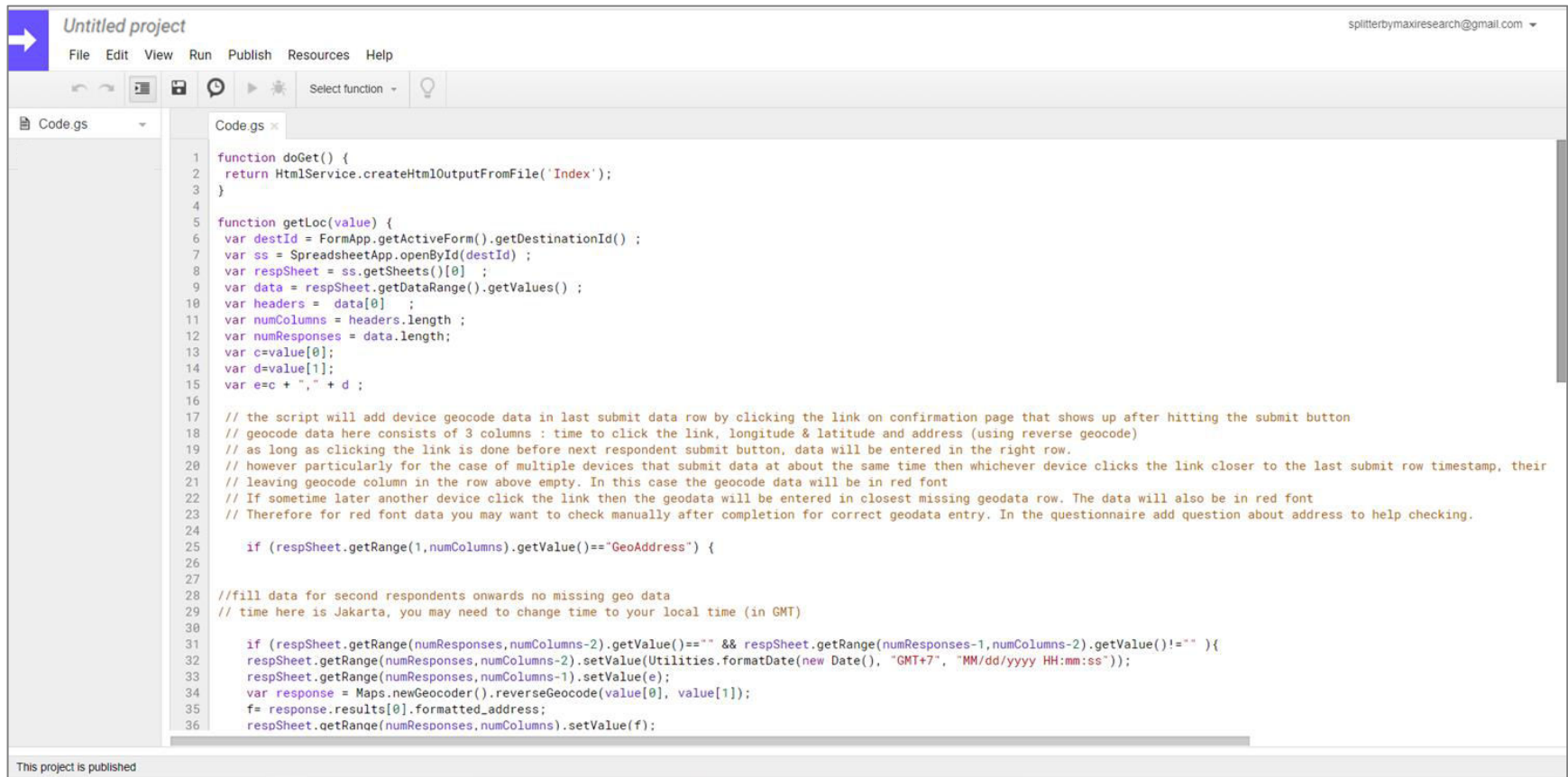
- Once opened, the script editor already has Code.gs



# How to Create Geocode Link

## 3. Copy and Paste script to Code.gs

- Copy Geocode script from our Google Forms file in the script editor (link to the file provided in Appendix)
- After pasting your Code.gs now will look like this.



```
1 function doGet() {
2   return HtmlService.createHtmlOutputFromFile('Index');
3 }
4
5 function getLoc(value) {
6   var destId = FormApp.getActiveForm().getDestinationId() ;
7   var ss = SpreadsheetApp.openById(destId) ;
8   var respSheet = ss.getSheets()[0] ;
9   var data = respSheet.getDataRange().getValues() ;
10  var headers = data[0] ;
11  var numColumns = headers.length ;
12  var numResponses = data.length;
13  var c=value[0];
14  var d=value[1];
15  var e=c + "," + d ;
16
17  // the script will add device geocode data in last submit data row by clicking the link on confirmation page that shows up after hitting the submit button
18  // geocode data here consists of 3 columns : time to click the link, longitude & latitude and address (using reverse geocode)
19  // as long as clicking the link is done before next respondent submit button, data will be entered in the right row.
20  // however particularly for the case of multiple devices that submit data at about the same time then whichever device clicks the link closer to the last submit row timestamp, their
21  // leaving geocode column in the row above empty. In this case the geocode data will be in red font
22  // If sometime later another device click the link then the geodata will be entered in closest missing geodata row. The data will also be in red font
23  // Therefore for red font data you may want to check manually after completion for correct geodata entry. In the questionnaire add question about address to help checking.
24
25  if (respSheet.getRange(1,numColumns).getValue()=="GeoAddress") {
26
27
28
29  //fill data for second respondents onwards no missing geo data
30  // time here is Jakarta, you may need to change time to your local time (in GMT)
31
32  if (respSheet.getRange(numResponses,numColumns-2).getValue()==" && respSheet.getRange(numResponses-1,numColumns-2).getValue()!="") {
33    respSheet.getRange(numResponses,numColumns-2).setValue(Utilities.formatDate(new Date(), "GMT+7", "MM/dd/yyyy HH:mm:ss"));
34    respSheet.getRange(numResponses,numColumns-1).setValue(e);
35    var response = Maps.newGeocoder().reverseGeocode(value[0], value[1]);
36    f= response.results[0].formatted_address;
37    respSheet.getRange(numResponses,numColumns).setValue(f);
38  }
```

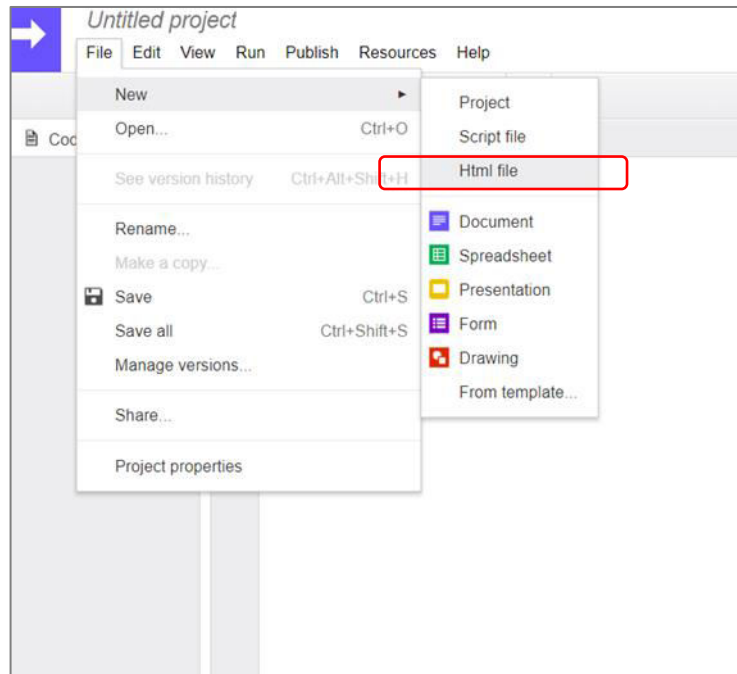
This project is published

# How to Create Geocode Link

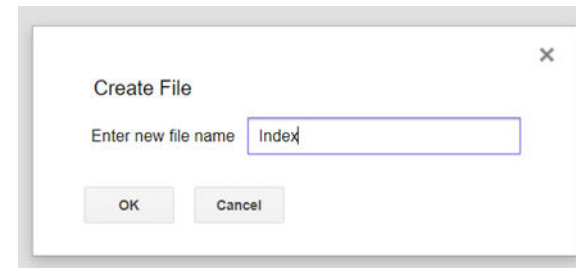
## 4. Create Index.html

- Create html file and name it Index

In File > New > Html file



Create File > Enter new file name → Index

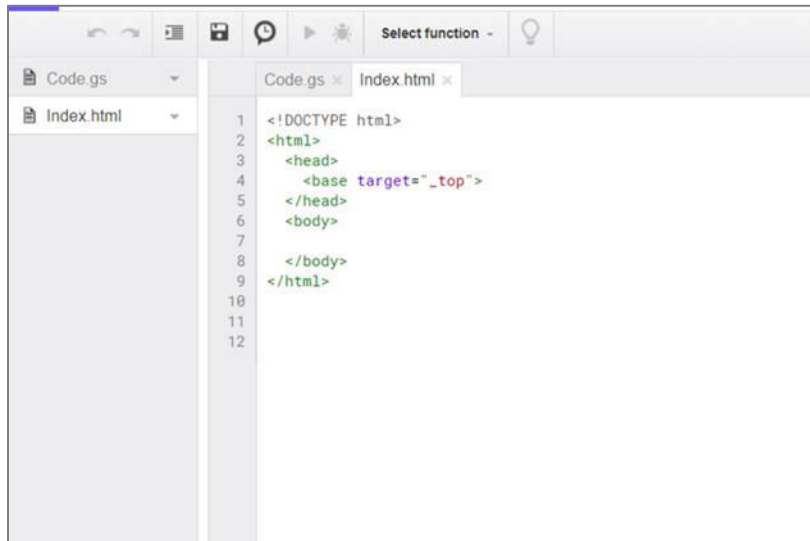


# How to Create Geocode Link

## 4. Copy and Paste script to Index.html

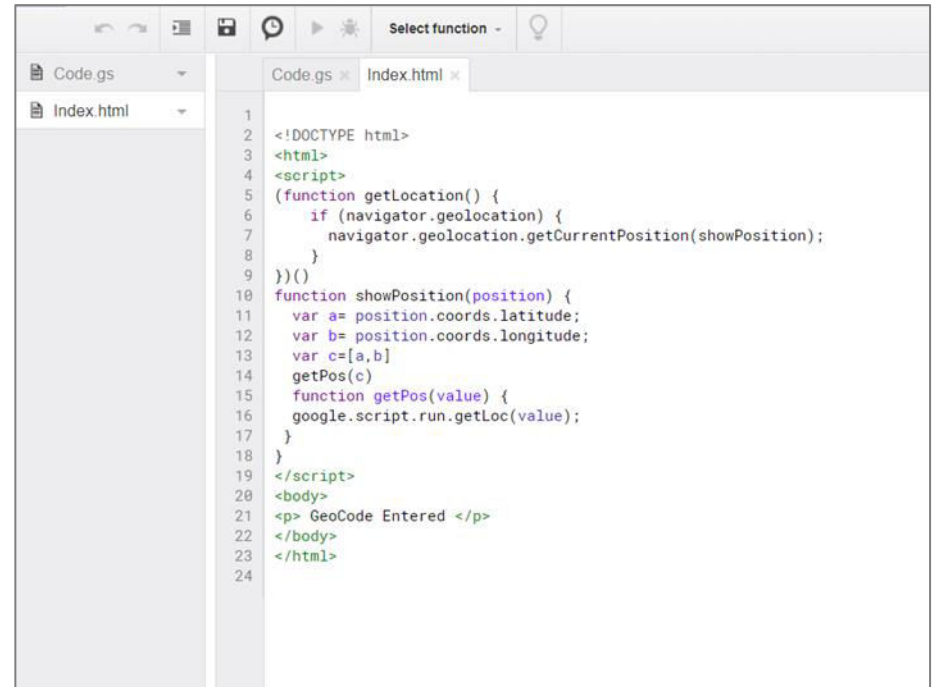
- Copy script for Index.html from a page in Appendix or copy from a Google Forms file with link provided in Appendix

First delete default script in Index.html



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <base target="_top">
5 </head>
6 <body>
7
8 </body>
9 </html>
10
11
12
```

Copy the script. Paste it.  
Now Index.html will look like this



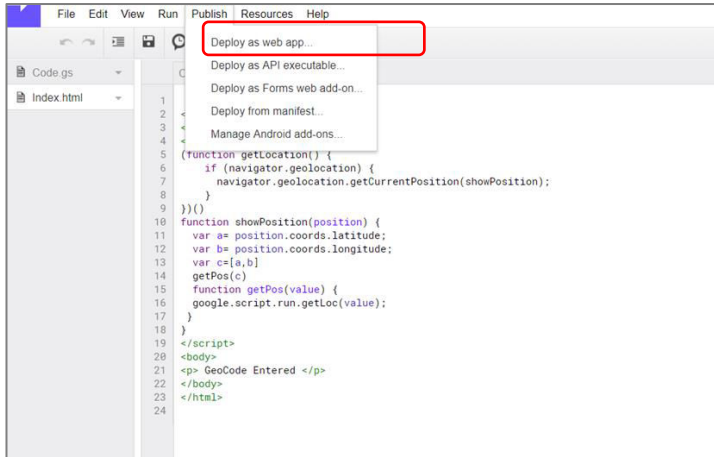
```
1
2 <!DOCTYPE html>
3 <html>
4 <script>
5 (function getLocation() {
6   if (navigator.geolocation) {
7     navigator.geolocation.getCurrentPosition(showPosition);
8   }
9 })()
10 function showPosition(position) {
11   var a= position.coords.latitude;
12   var b= position.coords.longitude;
13   var c=[a,b]
14   getPos(c)
15   function getPos(value) {
16     google.script.run.getLoc(value);
17   }
18 }
19 </script>
20 <body>
21 <p> GeoCode Entered </p>
22 </body>
23 </html>
24
```



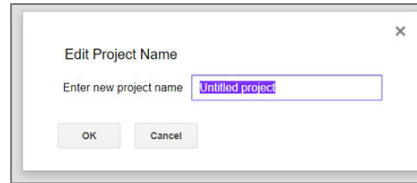
# How to Create Geocode Link

5. Go to Publish > Deploy as web app

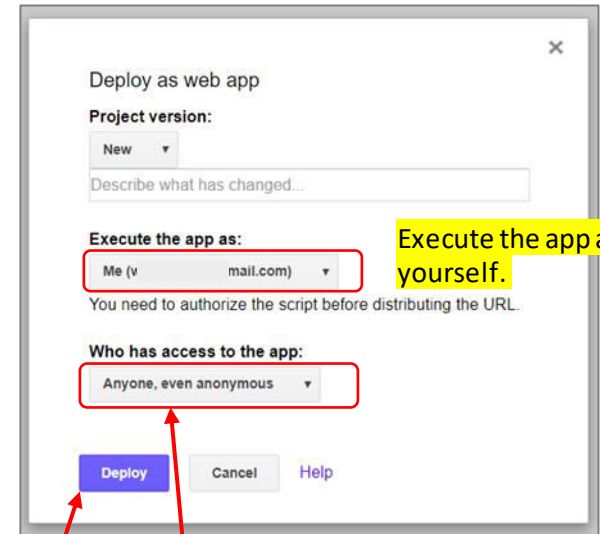
Go to Publish > Deploy as web app



If you prefer give it a project name otherwise keep it Untitled



Set Who has access to Anyone, even anonymous so everyone that has the link can use the app without log in to google first.



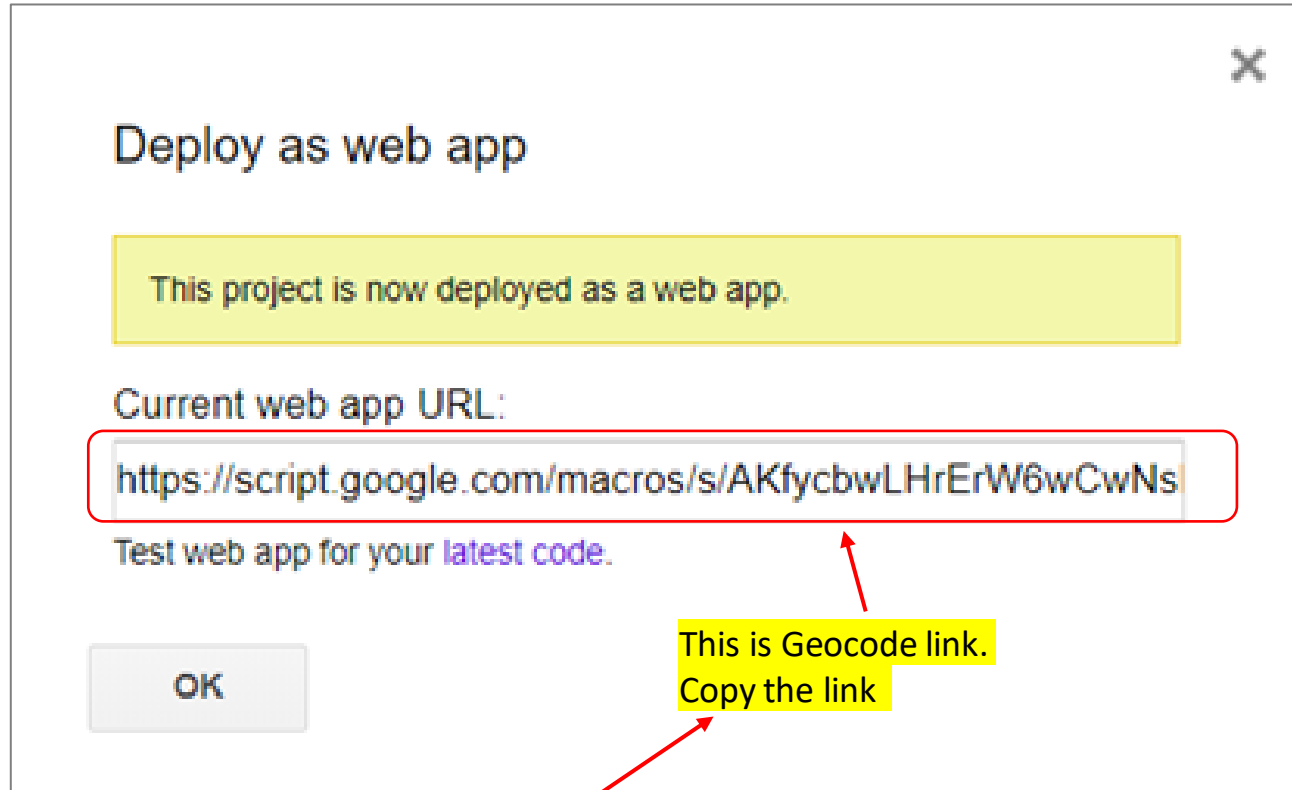
Execute the app as yourself.

Important : Access to anyone, so that everyone who has the link can use the app.

Then click Deploy.

# How to Create Geocode Link

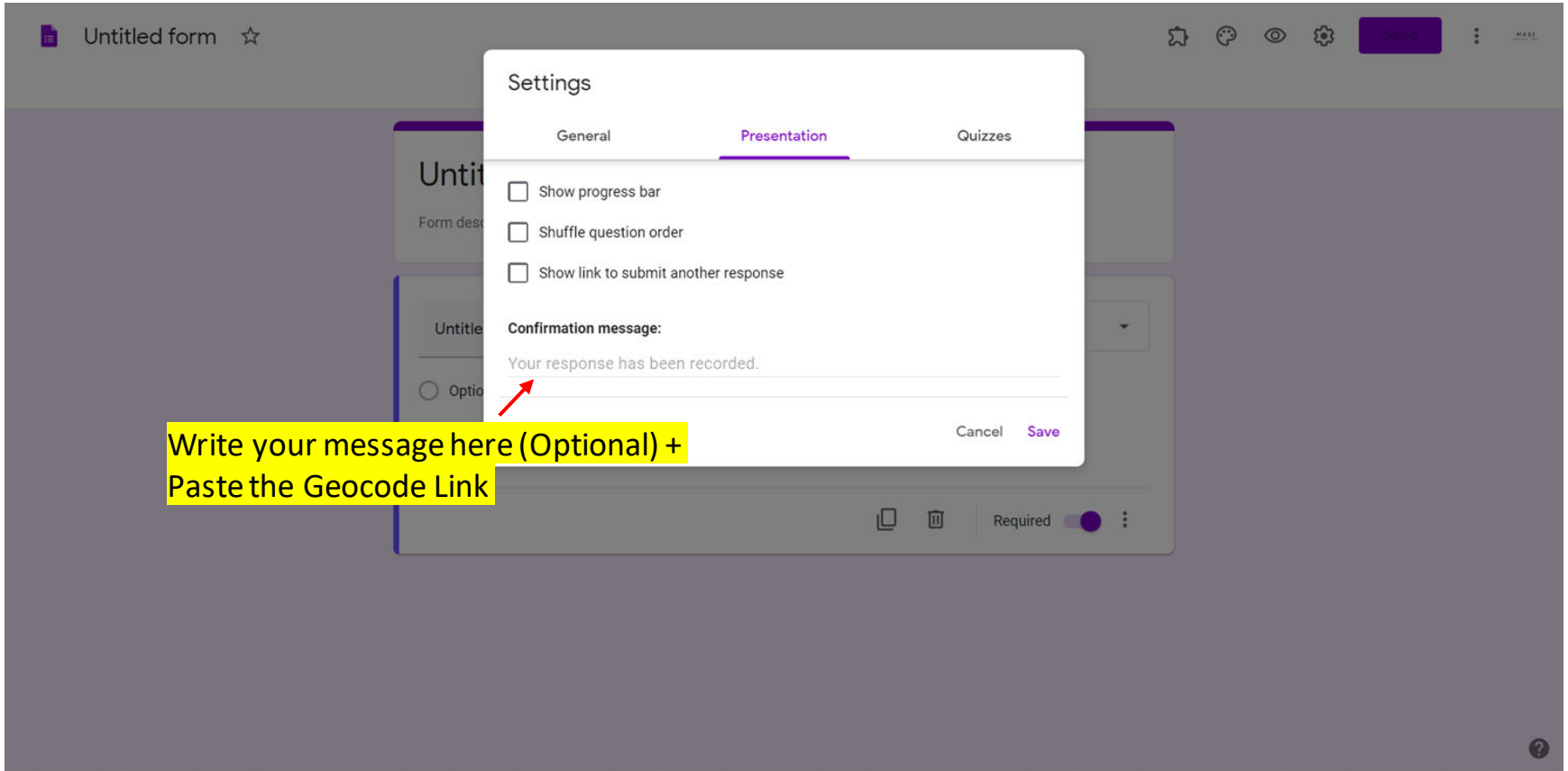
6. Now you have the Geocode link. Copy the link



The link is 'file bound' meaning that the link is unique to this form/questionnaire. It will not work for other form/questionnaire. So for new form/questionnaire you will need new link, just repeat the process

# How to Create Geocode Link

## 7. Paste it on Confirmation Message



The screenshot shows a form builder interface with a 'Settings' dialog box open. The dialog box has three tabs: 'General', 'Presentation', and 'Quizzes'. The 'Presentation' tab is selected. Under the 'Confirmation message:' section, there is a text input field containing the placeholder text 'Your response has been recorded.'. A red arrow points to this field. A yellow highlight box is overlaid on the text input field, containing the text: 'Write your message here (Optional) + Paste the Geocode Link'. The background shows a form titled 'Untitled form' with various settings and a 'Send' button.

Settings

General **Presentation** Quizzes

Show progress bar

Shuffle question order

Show link to submit another response

**Confirmation message:**

Your response has been recorded.

Cancel Save

Write your message here (Optional) +  
Paste the Geocode Link



# Geocode for Google Forms is now Ready



*Geocode is now ready*

*Remember that the link is only applicable for the form where the link is created.*

*For other form/questionnaire you have to create another link, just repeat the process.*

# APPENDIX

# Link to Google Forms file Containing Geocode Script

---

- [This link will copy a Google Forms file to your Gdrive.](#)
- Open the file, go to script editor, copy script in Code.gs and Index.html to your file.

# More Google Forms Materials

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- GOOGLE FORMS TUTORIAL PART 1: CREATE ONLINE SURVEYS
  - [Download pdf here.](#)
- GOOGLE FORMS TUTORIAL PART 2: CREATE ONLINE QUIZ/TEST
  - [Download pdf here.](#)
- Collection of Google Forms questionnaires that you can copy to your Gdrive for free.
  - [Click here.](#)





# THANK YOU

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