DIALOGFLOW SMALL TALKDialogflow logo.svg

**What is API.ai?**

**Dialogflow** (formerly Api.ai, Speaktoit) is a Google-owned developer of [human–computer interaction](https://en.wikipedia.org/wiki/Human%E2%80%93computer_interaction) technologies based on natural language conversations.

Api.ai is a service that allows developers to build speech-to-text, natural language processing, artificially intelligent systems that you can train up with your own custom functionality.

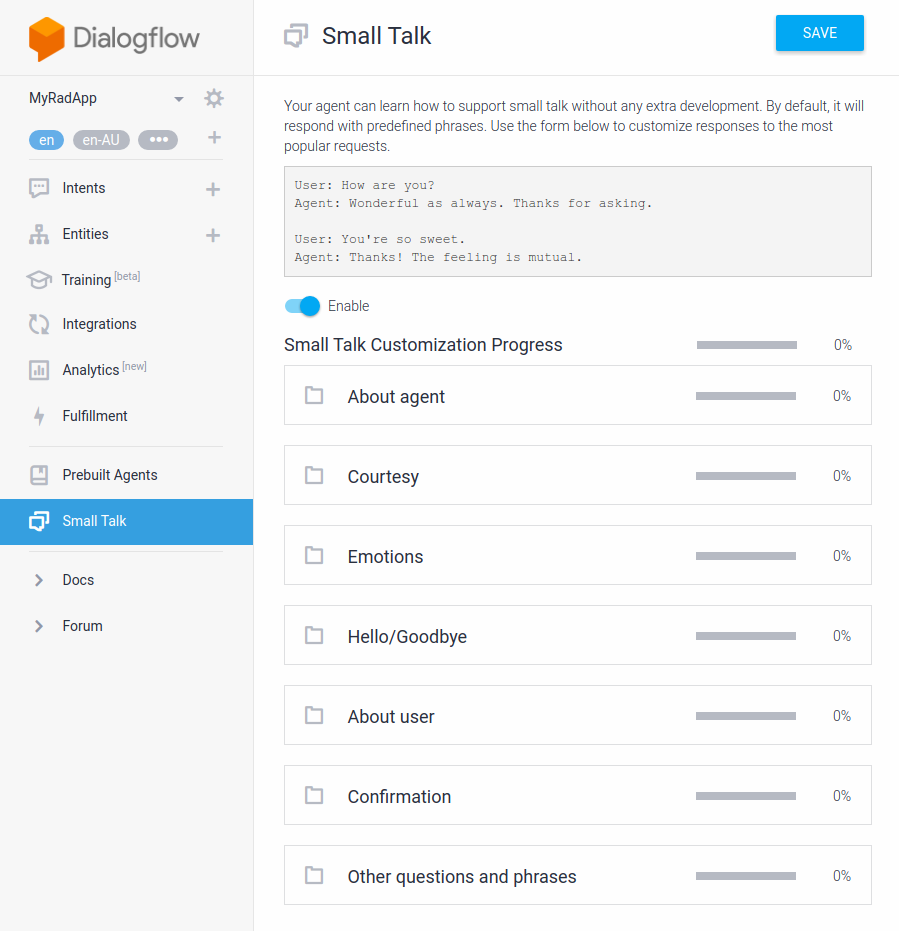
**What is Small talk?**

**Dialogflow** includes an optional feature called Small Talk, which is used to provide responses to casual conversation.

**Enabling for an agent**

In three clicks, you can enable Small Talk for your existing agent.

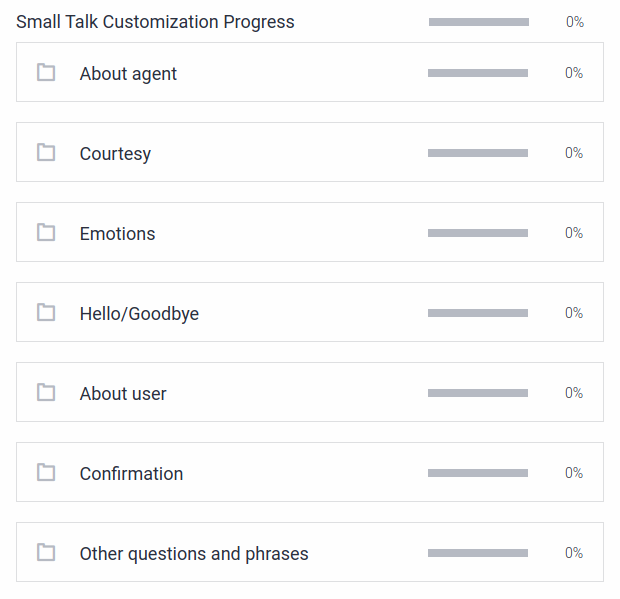
* In the left menu, click on **Small Talk**.
* Click on the switch to **enable**.
* Click the **Save** button.



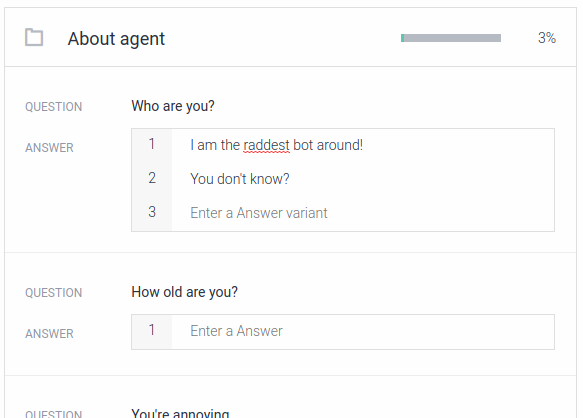
You can now try this out in the test console on the right. Try asking basic, general questions or making casual statements.

### Customizing responses

Small Talk can be customized to fit your branding or product needs. Each response category is organized in folders.



Clicking on one of these folders will open the list of responses and you can enter customized answers to the related questions.

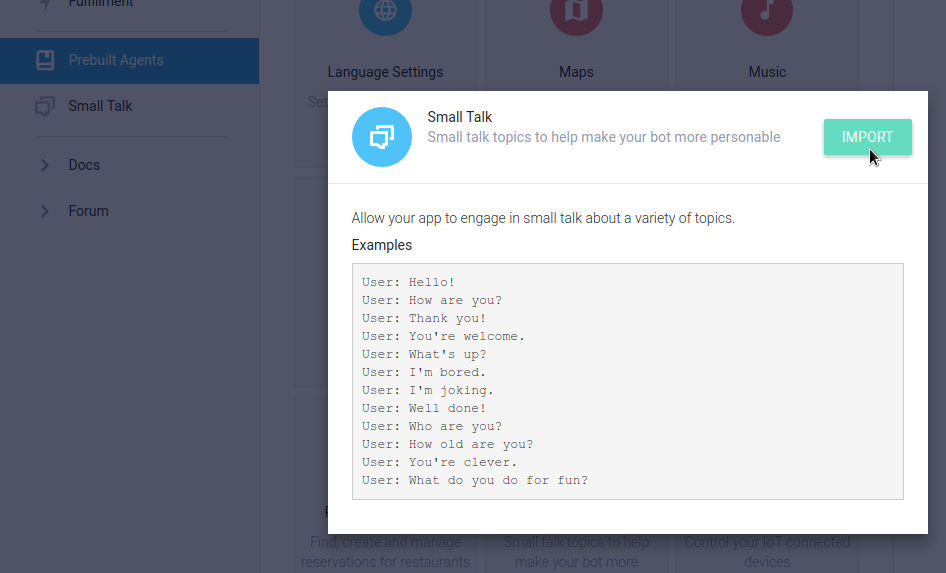


## Import the prebuilt agent

Small Talk also comes in a [prebuilt agent](https://dialogflow.com/docs/prebuilt-agents) form. This is imported as a new agent, which you can further develop to meet your needs.

**Note:** If you want to add the prebuilt agent to an existing agent, you will need to import the Small Talk prebuilt agent, then [export](https://dialogflow.com/docs/agents#export) it. From there you can "add" it to your agent using the **Import from ZIP** option.

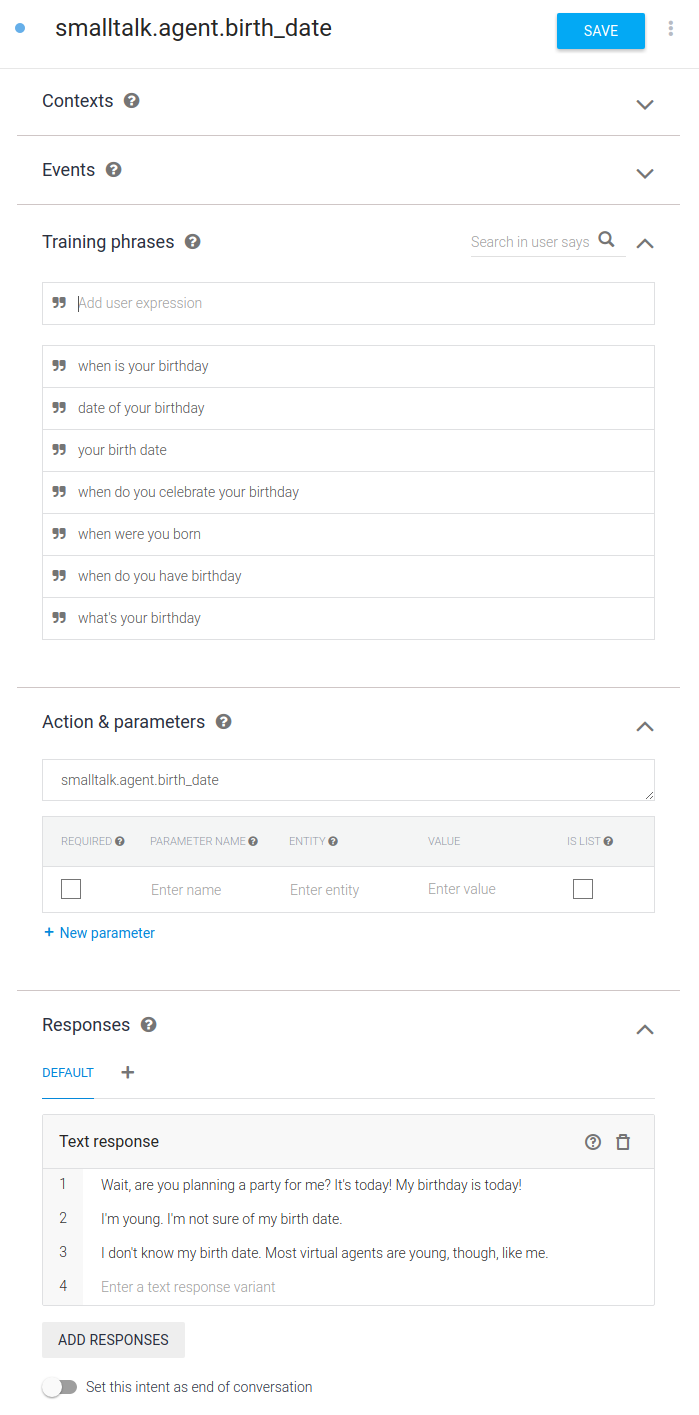
1. In the left menu, click on **Prebuilt Agents**.
2. Scroll down to **Small Talk** and click on the tile.
3. Click on the **Import** button.



**Note:** This process is the same as creating a new agent. You will be asked to either create a new [Google Project](https://dialogflow.com/docs/agents#general) or choose an existing one from the list.

### Customizing

You can customize the imported prebuilt agent like any other agent, as you have access to all of the intents and their Training Phrases, actions, and responses.



**Features:**

* It allows us to easily import a lot of predefined answers for simple questions and phrases

Drawbacks:

* **We can’t customize every response.**
* **We can’t train Small Talk.**

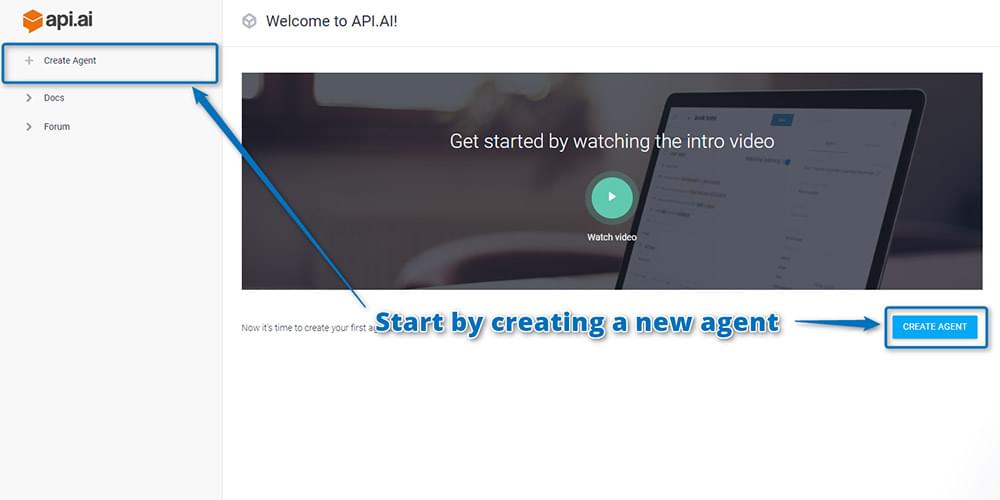
Demo using Java and JavaScript

**Step 1:**

Get Started for Free” button or the “Sign Up Free” button in the top right hand corner using Api.ai website. Click **Allow** to grant Api.ai access to your Google account.

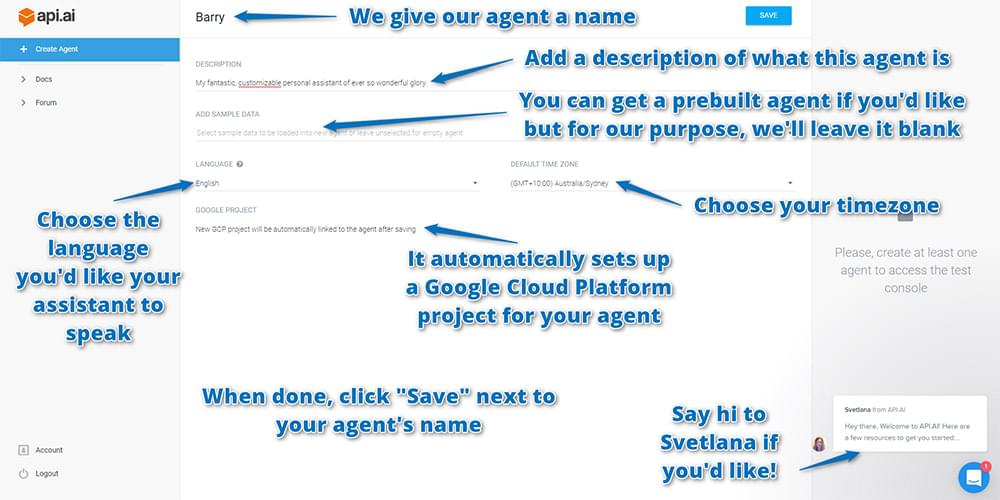
**Step 2:**

Once you’ve signed up, you create your first agent by clicking the “Create Agent” button on the top left hand side:

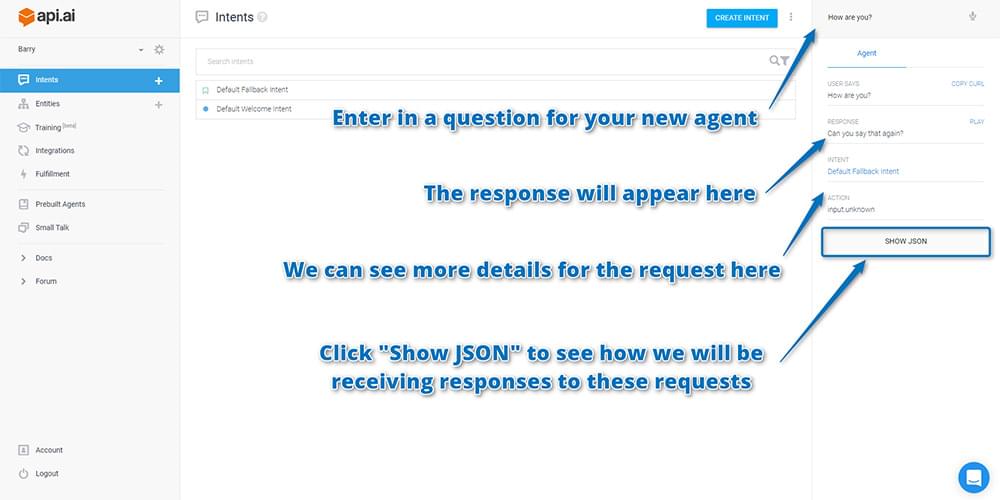


**Step 3:**

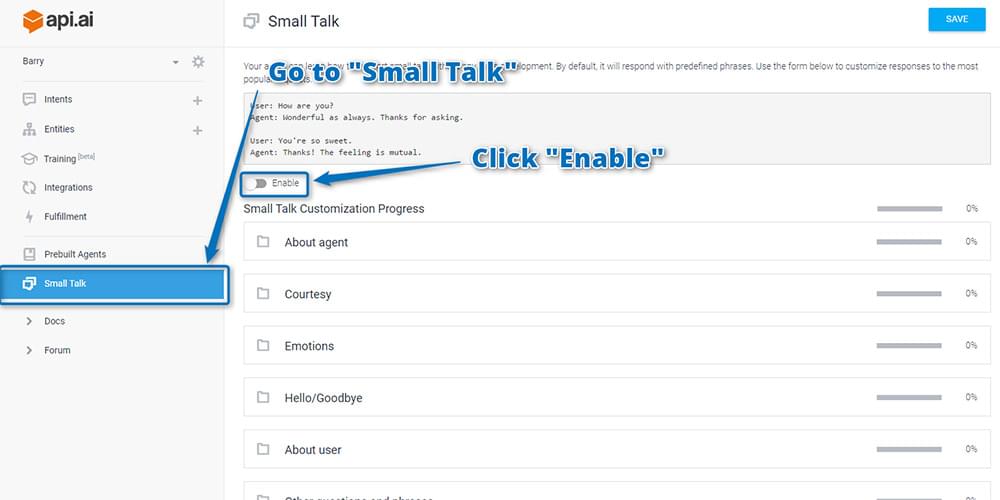
For creating agent



Step 4: To Test Console



Step 5: Adding Small Talk



Click save button after adding all the response.

Step 6: Finding out Api.ai API keys

The API keys you’ll need are on the agent’s settings page. On the page that appears, copy and paste the “Client access token” somewhere safe.

Step 7: Connecting to Api.ai Using JavaScript

Using the HTML5 Speech Recognition API and Web Speech API.

JavaScript contains the following variables:

var accessToken = "CLIENTACCESSTOKEN",

baseUrl = <https://api.api.ai/v1/>;

Step 8: Communicating With Api.ai

To send off your query to Api.ai, you use the send() function which looks like so:

function send() {

var text = “User message”;

$.ajax({

type: "POST",

url: baseUrl + "query",

contentType: "application/json; charset=utf-8",

dataType: "json",

headers: {

"Authorization": "Bearer " + accessToken

},

data: JSON.stringify({query: text, lang: "en", sessionId: "runbarry"

}),

success: function(data) {

data= data.result.speech;

//Data is a response. It should be send to user.

},

error: function() {

respond(messageInternalError);

}

});

}

**Step 9:**

Get user details from system using freeip api, JavaScript code to get system IP details,

$.getJSON('http://freegeoip.net/json/?callback=?', **function**(data) {

ip =data.ip;

country\_code = data.metro\_code;

country\_name=data.country\_name;

region\_code= data.latitude+"/"+data.longitude;

region\_name= data.region\_name;

city = data.city;

zip\_code=data.zip\_code;

//console.log(data);

});

**Step 10:**

Store user message and API message into DB; Here I am using Java Servlet and Mysql for saving message information along with user details.

Data variable as follows,

**int** id;

String userid;

String msg;

String country\_code;

String country\_name;

String region\_code;

String region\_name;

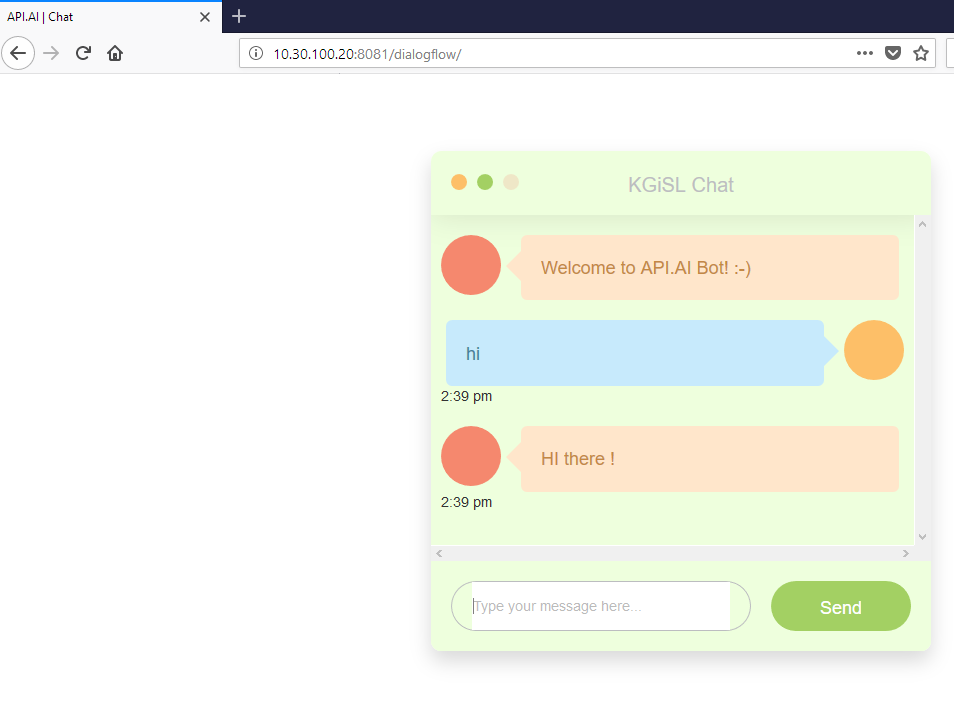
String city;

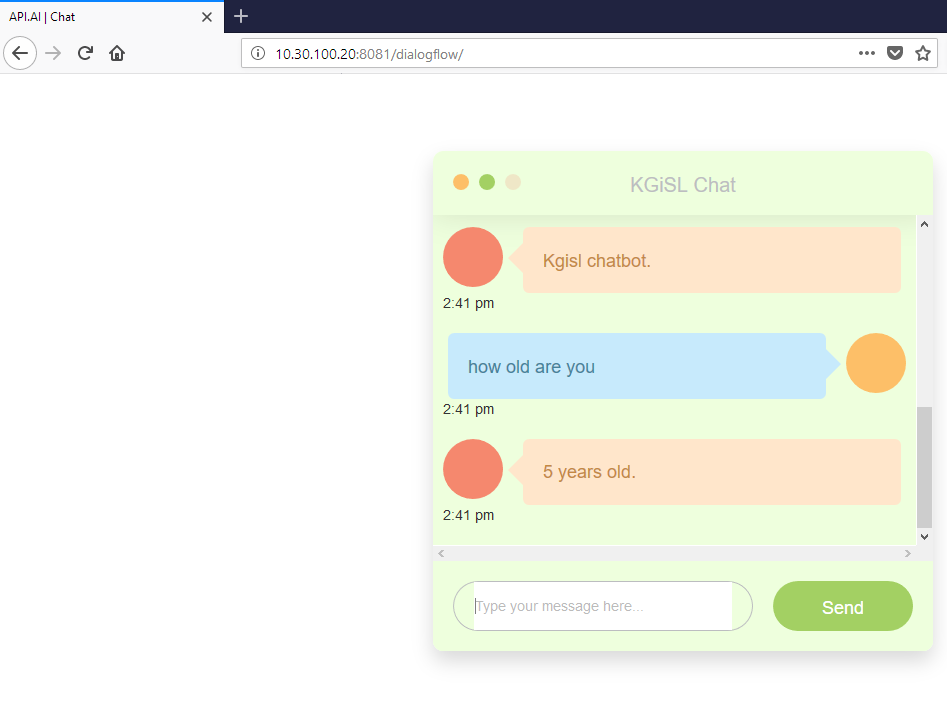
String zip\_code;

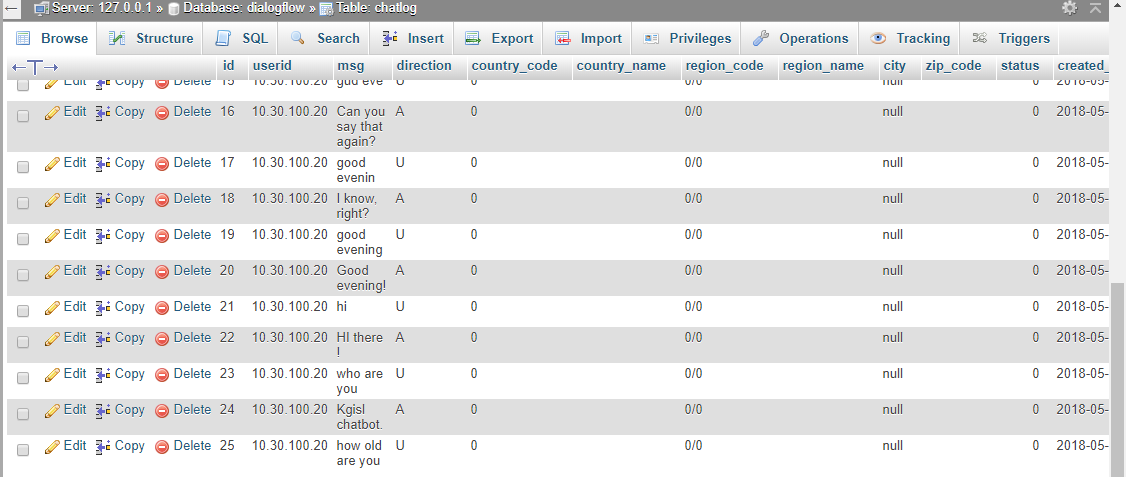
String direction;

Date created\_at

**Result:**





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**References:**

<https://chatbotsmagazine.com/api-ai-small-talk-is-now-open-source-why-is-it-a-big-deal-a39c54f89d85>

<https://dialogflow.com/docs/dialogs>

<https://github.com/sitepoint-editors/Api-AI-Personal-Assistant-Demo>