DEPRA Chatbot – Dialogflow Fufillment Code

// See https://github.com/dialogflow/dialogflow-fulfillment-nodejs

// for Dialogflow fulfillment library docs, samples, and to report issues

'use strict';

const functions = require('firebase-functions');

const {WebhookClient} = require('dialogflow-fulfillment');

const {Card, Suggestion} = require('dialogflow-fulfillment');

const mysql = require('mysql');

process.env.DEBUG = 'dialogflow:debug'; // enables lib debugging statements

exports.dialogflowFirebaseFulfillment = functions.https.onRequest((request, response) => {

const agent = new WebhookClient({ request, response });

console.log('Dialogflow Request headers: ' + JSON.stringify(request.headers));

console.log('Dialogflow Request body: ' + JSON.stringify(request.body));

function welcome(agent) {

agent.add(`Welcome to my agent!`);

}

function fallback(agent) {

agent.add(`I didn't understand`);

agent.add(`I'm sorry, can you try again?`);

}

function checkConsent(agent){

const consentForm = agent.parameters.Confirmation;

let myURL = 'https://forms.gle/at4ks9tENE1jaM627';

//const consentFormLink = `<a href='${myURL}'>${myURL}</a>`;

// agent.add(consentForm);

if (consentForm == "no"){

//agent.add('Please complete the Consent Form following this link: ' + consentFormLink);

agent.add('Please complete the Consent Form following this link: ' + myURL + '. Then enter "confirmed" to restart the research questionnaire.');

} else if (consentForm == "yes") {

agent.add('How old are you?');

}

}

// Run the proper function handler based on the matched Dialogflow intent name

// function to connect to Database

function connectToDatabase(){

const connection = mysql.createConnection({

host: 'database-1.c9sthvhu2yzf.us-east-1.rds.amazonaws.com',

user: 'admin',

connectTimeout : 300000,

//ssl: 'Amazon RDS',

//ssl : {

// DO NOT DO THIS

// set up your ca correctly to trust the connection

//rejectUnauthorized: false

//},

password: 'victoriapayam',

database: 'vicresearch\_Schema'

});

return new Promise((resolve, reject) => {

connection.connect();

resolve(connection);

reject(new Error("connection lost"));

});

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

//function to Query to Database

/\*function queryDatabase(connection){

return new Promise((resolve, reject) => {

//connection.query('SELECT \* from Personal\_Information', (error, results, fields) => {

//connection.query('SELECT \* from Response', (error, results, fields) => {

//connection.query('INSERT INTO Personal\_Information (User\_ID, First\_Name, Gender, Age) VALUES (14, "Roy","Male", 66)', (error, results, fields) => {

//connection.query('INSERT INTO Response (User\_ID, Response\_ID, Q1\_Mood, Q2\_Outlook, Q3\_MoodVar, Q4\_QMood, Q5\_Guilt, Q6\_Suicidal, Q7\_InitialInsomnia, Q8\_MidInsomnia, Q9\_MorningInsomnia, Q10\_Hypersomnia, Q11\_Interest,Q12\_Enjoyment,Q13\_Concentration,Q14\_PschomotorSlowing,Q15\_Agitation,Q16\_AnxietyIrritible,Q17\_AnxietyAnxious,Q18\_PanicSymptoms,Q19\_Arousal,Q20\_Gastro,Q21\_Appetite,Q22\_SomaticEnergy,Q23\_SomaticComplaints,Q24\_SomaticPhysical,Q25\_Genital,Q26\_Weight,Q27\_InterpersonalSensitivity) VALUES (3, 3, "No", "yes", "No", "yes", "No", "yes", "No", "yes", "No", "yes", "No", "yes","No", "yes", "No", "yes", "No", "yes","No", "yes", "No", "yes", "No", "yes","No", "yes", "No")', (error, results, fields) => {

connection.query('SELECT \* from Users\_Status ORDER BY User\_ID DESC LIMIT 1', (error, results, fields) => {

//connection.query('ORDER BY User\_ID DESC LIMIT 1', (error, results, fields) => {

if (error) throw error;

resolve(results);

});

// });

});

}\*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

//function to read the rows from the database

/\*function handleReadFromMySQL(agent){

return connectToDatabase()

.then(connection => {

return queryDatabase(connection)

.then(result => {

console.log(result);

// agent.add(`User ID: ${result[13].User\_ID} , First Name: ${result[13].First\_Name}, Gender: ${result[13].Gender}, Age: ${result[8].Age}`);

agent.add(`USER ID: ${result[3].User\_ID} , Response ID: ${result[3].Response\_ID}, Q1\_Mood: ${result[3]. Q1\_Mood}, Q5\_Guilt: ${result[1]. Q5\_Guilt}`);

connection.end();

});

});

}\*/

//function to insert data into database

function insertIntoDatabase\_tbl1(connection, data\_tbl1){

return new Promise((resolve, reject) => {

connection.query('INSERT INTO Personal\_Information SET ?', data\_tbl1, (error, results, fields) => {

if (error) throw (error);

resolve(results);

});

});

}

function insertIntoDatabase\_tbl2(connection, data\_tbl2){

return new Promise((resolve, reject) => {

connection.query('INSERT INTO Response SET ?', data\_tbl2, (error, results, fields) => {

//connection.query('INSERT INTO Response (User\_ID, Response\_ID, Q1\_Mood, Q2\_Outlook, Q3\_MoodVar, Q4\_QMood, Q5\_Guilt, Q6\_Suicidal, Q7\_InitialInsomnia, Q8\_MidInsomnia, Q9\_MorningInsomnia, Q10\_Hypersomnia, Q11\_Interest,Q12\_Enjoyment,Q13\_Concentration,Q14\_PschomotorSlowing,Q15\_Agitation,Q16\_AnxietyIrritible,Q17\_AnxietyAnxious,Q18\_PanicSymptoms,Q19\_Arousal,Q20\_Gastro,Q21\_Appetite,Q22\_SomaticEnergy,Q23\_SomaticComplaints,Q24\_SomaticPhysical,Q25\_Genital,Q26\_Weight,Q27\_InterpersonalSensitivity) VALUES (3, 3, "No", "yes", "No", "yes", "No", "yes", "No", "yes", "No", "yes", "No", "yes","No", "yes", "No", "yes", "No", "yes","No", "yes", "No", "yes", "No", "yes","No", "yes", "No")', (error, results, fields) => {

if (error) throw (error);

resolve(results);

});

});

}

function insertIntoDatabase\_tbl3(connection, data\_tbl3){

return new Promise((resolve, reject) => {

connection.query('INSERT INTO ManualRanking SET ?', data\_tbl3, (error, results, fields) => {

// connection.query('INSERT INTO Response (MRanking\_Score\_ID, Response\_ID, User\_ID: data\_tbl1.User\_ID) VALUES('User\_ID)', (error, results, fields) => {

if (error) throw (error);

resolve (results);

});

});

}

function insertIntoDatabase\_tbl4(connection, data\_tbl4){

return new Promise((resolve, reject) => {

connection.query('INSERT INTO NLPRanking SET ?', data\_tbl4, (error, results, fields) => {

if (error) throw (error);

resolve (results);

});

});

}

function checkAge(agent) {

const age = agent.parameters.age.amount;

if (age > 99) {

agent.add(`I am affraid! `+ age +` doesnot seem right. How old are you?`);

} else if (81 < age && age < 100){

agent.add(`Sorry you cannot participate! Only users under 80 can participate.`);

} else if (age < 18){

agent.add(`Sorry you cannot participate! Only users over 18 can participate.`);

} else {

agent.add(`What is your gender?`);

}

}

//function to write a row into the databse

function handleWritetoMySQL(agent){

const data\_tbl1 = {

//personal information table

User\_ID: Math.floor(Math.random() \* 1000000) \* Math.floor(Math.random() \* 10),

First\_Name: agent.getContext('given\_name').parameters.given\_name.name,

Gender: agent.getContext('gender').parameters.gender,

Age: agent.getContext('age').parameters.age.amount,

};

const data\_tbl2 = {

//response table

User\_ID: data\_tbl1.User\_ID,

Response\_ID: Math.floor(Math.random() \* 1000000)+ Math.floor(Math.random() \* 1000) +2,

/\*

Q1\_Mood: agent.getContext('mood').parameters.Emotion + agent.getContext('emotion2').parameters.Emotion2,

Q2\_Outlook: agent.getContext('outlook').parameters.Outlook + agent.getContext('outlook2').parameters.Outlook2,

Q3\_MoodVar: agent.getContext('moodvar').parameters.MoodVar + agent.getContext('moodvar2').parameters.MoodVar2,

Q4\_QMood: agent.getContext('qmood').parameters.QMood + agent.getContext('qmood2').parameters.QMood2,

Q5\_Guilt: agent.getContext('guilt').parameters.Guilt + agent.getContext('guilt2').parameters.Guilt2,

Q6\_Suicidal: agent.getContext('suicidalthought').parameters.suicidalthought + agent.getContext('suicidalthought2').parameters.suicidalthought2,

Q7\_InitialInsomnia: agent.getContext('initial\_insomnia').parameters.Initial\_Insomnia + agent.getContext('initial\_insomnia2').parameters.Initial\_Insomnia2,

Q8\_MidInsomnia: agent.getContext('mid\_insomnia').parameters.Mid\_Insomnia + agent.getContext('mid\_insomnia2').parameters.Mid\_Insomnia2,

Q9\_MorningInsomnia: agent.getContext('morning\_insomnia').parameters.Morning\_Insomnia + agent.getContext('morning\_insomnia2').parameters.Morning\_Insomnia2,

Q10\_Hypersomnia: agent.getContext('hypersomnia').parameters.Hypersomnia + agent.getContext('hypersomnia2').parameters.Hypersomnia2,

Q11\_Interest: agent.getContext('interest').parameters.Interest + agent.getContext('interest2').parameters.Interest2,

Q12\_Enjoyment: agent.getContext('enjoyment').parameters.Enjoyment + agent.getContext('enjoyment2').parameters.Enjoyment2,

Q13\_Concentration: agent.getContext('concentration').parameters.Concentration + agent.getContext('concentration2').parameters.Concentration2,

Q14\_PschomotorSlowing: agent.getContext('psychomotor\_slowing').parameters.Psychomotor\_Slowing + agent.getContext('psychomotor\_slowing2').parameters.Psychomotor\_Slowing2,

Q15\_Agitation: agent.getContext('psychomotor\_agitation').parameters.Psychomotor\_Agitation + agent.getContext('psychomotor\_agitation2').parameters.Psychomotor\_Agitation2,

Q16\_AnxietyIrritible: agent.getContext('anxiety\_psychic\_irritable').parameters.Anxiety\_Psychic\_Irritable + agent.getContext('anxiety\_psychic\_irritable2').parameters.Anxiety\_Psychic\_Irritable2,

Q17\_AnxietyAnxious: agent.getContext('anxiety\_psychic\_anxious').parameters.Anxiety\_Psychic\_Anxious + agent.getContext('anxiety\_psychic\_anxious2').parameters.Anxiety\_Psychic\_Anxious2,

Q18\_PanicSymptoms: agent.getContext('anxiety\_psychic\_panic').parameters.Anxiety\_Psychic\_Panic + agent.getContext('anxiety\_psychic\_panic2').parameters.Anxiety\_Psychic\_Panic2,

Q19\_Arousal: agent.getContext('anxiety\_psychic\_arousal').parameters.Anxiety\_Psychic\_Arousal + agent.getContext('anxiety\_psychic\_arousal2').parameters.Anxiety\_Psychic\_Arousal2,

Q20\_Gastro: agent.getContext('anxiety\_psychic\_gastro').parameters.Anxiety\_Psychic\_Gastro + agent.getContext('anxiety\_psychic\_gastro2').parameters.Anxiety\_Psychic\_Gastro2,

Q21\_Appetite: agent.getContext('somatic\_symptoms\_appetite').parameters.Somatic\_Symptoms\_Appetite,

Q22\_SomaticEnergy: agent.getContext('somatic\_symptoms\_energy').parameters.Somatic\_Symptoms\_Energy + agent.getContext('somatic\_symptoms\_energy2').parameters.Somatic\_Symptoms\_Energy2,

Q23\_SomaticComplaints: agent.getContext('somatic\_symptoms\_complaints').parameters.Somatic\_Symptoms\_Complaints + agent.getContext('somatic\_symptoms\_complaints2').parameters.Somatic\_Symptoms\_Complaints2,

Q24\_SomaticPhysical: agent.getContext('somatic\_symptomsphysicalenergy').parameters.Somatic\_SymptomsPhysicalEnergy + agent.getContext('somatic\_symptomsphysiclenergy2').parameters.Somatic\_SymptomsPhysiclEnergy2,

Q25\_Genital: agent.getContext('genital\_symptoms').parameters.Genital\_Symptoms + agent.getContext('genital\_symptoms2').parameters.Genital\_Symptoms2,

Q26\_Weight: agent.getContext('weight').parameters.Weight + agent.getContext('weight2').parameters.Weight2,

Q27\_InterpersonalSensitivity: agent.getContext('interpersonal\_sensitivity').parameters.Interpersonal\_Sensitivity + agent.getContext('interpersonal\_sensitivity2').parameters.Interpersonal\_Sensitivity2,

\*/

Q1\_Mood: agent.getContext('emotion2').parameters.Emotion2,

Q2\_Outlook: agent.getContext('outlook2').parameters.Outlook2,

Q3\_MoodVar: agent.getContext('moodvar2').parameters.MoodVar2,

Q4\_QMood: agent.getContext('qmood2').parameters.QMood2,

Q5\_Guilt: agent.getContext('guilt2').parameters.Guilt2,

Q6\_Suicidal: agent.getContext('suicidalthought2').parameters.suicidalthought2,

Q7\_InitialInsomnia: agent.getContext('initial\_insomnia2').parameters.Initial\_Insomnia2,

Q8\_MidInsomnia: agent.getContext('mid\_insomnia2').parameters.Mid\_Insomnia2,

Q9\_MorningInsomnia: agent.getContext('morning\_insomnia2').parameters.Morning\_Insomnia2,

Q10\_Hypersomnia: agent.getContext('hypersomnia2').parameters.Hypersomnia2,

Q11\_Interest: agent.getContext('interest2').parameters.Interest2,

Q12\_Enjoyment: agent.getContext('enjoyment2').parameters.Enjoyment2,

Q13\_Concentration: agent.getContext('concentration2').parameters.Concentration2,

Q14\_PschomotorSlowing: agent.getContext('psychomotor\_slowing2').parameters.Psychomotor\_Slowing2,

Q15\_Agitation: agent.getContext('psychomotor\_agitation2').parameters.Psychomotor\_Agitation2,

Q16\_AnxietyIrritible: agent.getContext('anxiety\_psychic\_irritable2').parameters.Anxiety\_Psychic\_Irritable2,

Q17\_AnxietyAnxious: agent.getContext('anxiety\_psychic\_anxious2').parameters.Anxiety\_Psychic\_Anxious2,

Q18\_PanicSymptoms: agent.getContext('anxiety\_psychic\_panic2').parameters.Anxiety\_Psychic\_Panic2,

Q19\_Arousal: agent.getContext('anxiety\_psychic\_arousal2').parameters.Anxiety\_Psychic\_Arousal2,

Q20\_Gastro: agent.getContext('anxiety\_psychic\_gastro2').parameters.Anxiety\_Psychic\_Gastro2,

Q21\_Appetite: agent.getContext('somatic\_symptoms\_appetite').parameters.Somatic\_Symptoms\_Appetite,

Q22\_SomaticEnergy: agent.getContext('somatic\_symptoms\_energy2').parameters.Somatic\_Symptoms\_Energy2,

Q23\_SomaticComplaints: agent.getContext('somatic\_symptoms\_complaints2').parameters.Somatic\_Symptoms\_Complaints2,

Q24\_SomaticPhysical: agent.getContext('somatic\_symptomsphysiclenergy2').parameters.Somatic\_SymptomsPhysiclEnergy2,

Q25\_Genital: agent.getContext('genital\_symptoms2').parameters.Genital\_Symptoms2,

Q26\_Weight: agent.getContext('weight2').parameters.Weight2,

Q27\_InterpersonalSensitivity: agent.getContext('interpersonal\_sensitivity2').parameters.Interpersonal\_Sensitivity2,

};

const data\_tbl3 = {

//Manual Ranking table

MRanking\_Score\_ID: Math.ceil((Math.random() \* 1000000) + Math.PI) + 3,

Response\_ID: data\_tbl2.Response\_ID,

User\_ID: data\_tbl1.User\_ID,

Manual\_Score: ' ',

MQ1\_Mood: ' ',

MQ2\_Outlook: ' ',

MQ3\_MoodVar: ' ',

MQ4\_QMood: ' ',

MQ5\_Guilt: ' ',

MQ6\_Suicidal: ' ',

MQ7\_InitialInsomnia: ' ',

MQ8\_MidInsomnia: ' ',

MQ9\_MorningInsomnia: ' ',

MQ10\_Hypersomnia: ' ',

MQ11\_Interest: ' ',

MQ12\_Enjoyment: ' ',

MQ13\_Concentration: ' ',

MQ14\_PschomotorSlowing: ' ',

MQ15\_Agitation: ' ',

MQ16\_AnxietyIrritible: ' ',

MQ17\_AnxietyAnxious: ' ',

MQ18\_PanicSymptoms: ' ',

MQ19\_Arousal: ' ',

MQ20\_Gastro: ' ',

MQ21\_Appetite: ' ',

MQ22\_SomaticEnergy: ' ',

MQ23\_SomaticComplaints: ' ',

MQ24\_SomaticPhysical: ' ',

MQ25\_Genital: ' ',

MQ26\_Weight: ' ',

MQ27\_InterpersonalSensitivity: ' ',

};

const data\_tbl4 = {

//NLP Ranking table

NRanking\_Score\_ID: data\_tbl3.MRanking\_Score\_ID,

Response\_ID: data\_tbl2.Response\_ID,

User\_ID: data\_tbl1.User\_ID,

NLP\_Score: ' ',

NQ1\_Mood: ' ',

NQ2\_Outlook: ' ',

NQ3\_MoodVar: ' ',

NQ4\_QMood: ' ',

NQ5\_Guilt: ' ',

NQ6\_Suicidal: ' ',

NQ7\_InitialInsomnia: ' ',

NQ8\_MidInsomnia: ' ',

NQ9\_MorningInsomnia: ' ',

NQ10\_Hypersomnia: ' ',

NQ11\_Interest: ' ',

NQ12\_Enjoyment: ' ',

NQ13\_Concentration: ' ',

NQ14\_PschomotorSlowing: ' ',

NQ15\_Agitation: ' ',

NQ16\_AnxietyIrritible: ' ',

NQ17\_AnxietyAnxious: ' ',

NQ18\_PanicSymptoms: ' ',

NQ19\_Arousal: ' ',

NQ20\_Gastro: ' ',

NQ21\_Appetite: ' ',

NQ22\_SomaticEnergy: ' ',

NQ23\_SomaticComplaints: ' ',

NQ24\_SomaticPhysical: ' ',

NQ25\_Genital: ' ',

NQ26\_Weight: ' ',

NQ27\_InterpersonalSensitivity: ' ',

};

return connectToDatabase()

.then(connection => {

return insertIntoDatabase\_tbl1(connection, data\_tbl1)

.then(result => {

return insertIntoDatabase\_tbl2(connection, data\_tbl2)

.then(result => {

return insertIntoDatabase\_tbl3(connection, data\_tbl3)

.then(result => {

return insertIntoDatabase\_tbl4(connection, data\_tbl4)

.then(result => {

console.log(result);

//agent.add('Thank you for your participation in the Depression Analysis research. ' + agent.getContext('given\_name').parameters.given\_name.name + ', please also rate DEPRA chatbot by clicking on the following link: https://forms.gle/FxUKWX2t1wTw8h2W6'+ ' \*\*\* Data inserted for User#: '+ 'U'+ data\_tbl1.User\_ID + ', RE' + data\_tbl2.Response\_ID + ', RA' + data\_tbl3.MRanking\_Score\_ID + ' \*\*\*');

agent.add('Thank you for your participation in the Depression Analysis research. ' + agent.getContext('given\_name').parameters.given\_name.name + ', please also rate DEPRA chatbot by clicking on the following link: https://forms.gle/FxUKWX2t1wTw8h2W6'+ ' \* Data inserted User: '+ 'U'+ data\_tbl1.User\_ID + ', RE' + data\_tbl2.Response\_ID + ' \*');

//agent.add('Thank you for your participation in the Depression Analysis research. ' + agent.getContext('given\_name').parameters.given\_name.name + '! please also rate DEPRA chatbot by clicking on the following link: https://forms.gle/FxUKWX2t1wTw8h2W6');

//agent.add('Thank you for your participation ' + agent.getContext('given\_name').parameters.given\_name.name + '! \* U'+ data\_tbl1.User\_ID + ', R' + data\_tbl2.Response\_ID + ' recorded \*');

connection.end();

});

});

});

});

});

// agent.add('1.' + agent.getContext('emotion2').parameters.Emotion2 + '2.' + agent.getContext('outlook2').parameters.Outlook2 +'3.' + agent.getContext('moodvar2').parameters.MoodVar2 +'4.' + agent.getContext('qmood2').parameters.QMood2+ '5.' + agent.getContext('guilt2').parameters.Guilt2+ '6.' + agent.getContext('suicidalthought2').parameters.suicidalthought2+'7.' + agent.getContext('initial\_insomnia2').parameters.Initial\_Insomnia2+'8.' + agent.getContext('mid\_insomnia2').parameters.Mid\_Insomnia2+'9.' + agent.getContext('morning\_insomnia2').parameters.Morning\_Insomnia2+'10.' + agent.getContext('hypersomnia2').parameters.Hypersomnia2+ '11.' + agent.getContext('interest2').parameters.Interest2+ '12.' + agent.getContext('enjoyment2').parameters.Enjoyment2+ '13.' + agent.getContext('concentration2').parameters.Concentration2+ '14.' + agent.getContext('psychomotor\_slowing2').parameters.Psychomotor\_Slowing2+ '15.' + agent.getContext('psychomotor\_agitation2').parameters.Psychomotor\_Agitation2+ '16.' + agent.getContext('anxiety\_psychic\_irritable2').parameters.Anxiety\_Psychic\_Irritable2+ '17.' + agent.getContext('anxiety\_psychic\_anxious2').parameters.Anxiety\_Psychic\_Anxious2+ '18.' + agent.getContext('anxiety\_psychic\_panic2').parameters.Anxiety\_Psychic\_Panic2+ '19.' + agent.getContext('anxiety\_psychic\_arousal2').parameters.Anxiety\_Psychic\_Arousal2+ '20.' + agent.getContext('anxiety\_psychic\_gastro2').parameters.Anxiety\_Psychic\_Gastro2+ '21.' + agent.getContext('somatic\_symptoms\_appetite').parameters.Somatic\_Symptoms\_Appetite+ '22.' + agent.getContext('somatic\_symptoms\_energy2').parameters.Somatic\_Symptoms\_Energy2+ '23.' + agent.getContext('somatic\_symptoms\_complaints2').parameters.Somatic\_Symptoms\_Complaints2+ '24.' + agent.getContext('somatic\_symptomsphysiclenergy2').parameters.Somatic\_SymptomsPhysiclEnergy2+ '25.' + agent.getContext('genital\_symptoms2').parameters.Genital\_Symptoms2+ '26.' + agent.getContext('weight2').parameters.Weight2+ '27.' + agent.getContext('interpersonal\_sensitivity2').parameters.Interpersonal\_Sensitivity2);

}

let intentMap = new Map();

//intentMap.set('Default Welcome Intent', welcome);

//intentMap.set('0\_Welcome Intent\_askName', welcome);

intentMap.set('2-1\_getAge(passConfirmation)\_askGender', checkAge);

intentMap.set('2-0\_getConfirmation(passName)\_askAge', checkConsent);

intentMap.set('Default Fallback Intent', fallback);

// intentMap.set('Q1\_3\_getGender(passAge)\_askMood', handleCounter);

intentMap.set('End\_30\_getInterpersonal-Sensitivity(passWeight)\_Close', handleWritetoMySQL);

// intentMap.set('your intent name here', yourFunctionHandler);

// intentMap.set('your intent name here', googleAssistantHandler);

// intentMap.set('writeToDB3', handleWritetoMySQL);

// intentMap.set('getDataFromMySQL', handleCounter);

agent.handleRequest(intentMap);

});

// // Uncomment and edit to make your own intent handler

// // uncomment `intentMap.set('your intent name here', yourFunctionHandler);`

// // below to get this function to be run when a Dialogflow intent is matched

// function yourFunctionHandler(agent) {

// agent.add(`This message is from Dialogflow's Cloud Functions for Firebase editor!`);

// agent.add(new Card({

// title: `Title: this is a card title`,

// imageUrl: 'https://developers.google.com/actions/images/badges/XPM\_BADGING\_GoogleAssistant\_VER.png',

// text: `This is the body text of a card. You can even use line\n breaks and emoji! 💁`,

// buttonText: 'This is a button',

// buttonUrl: 'https://assistant.google.com/'

// })

// );

// agent.add(new Suggestion(`Quick Reply`));

// agent.add(new Suggestion(`Suggestion`));

// agent.setContext({ name: 'weather', lifespan: 2, parameters: { city: 'Rome' }});

// }

// // Uncomment and edit to make your own Google Assistant intent handler

// // uncomment `intentMap.set('your intent name here', googleAssistantHandler);`

// // below to get this function to be run when a Dialogflow intent is matched

// function googleAssistantHandler(agent) {

// let conv = agent.conv(); // Get Actions on Google library conv instance

// conv.ask('Hello from the Actions on Google client library!') // Use Actions on Google library

// agent.add(conv); // Add Actions on Google library responses to your agent's response

// }

// // See https://github.com/dialogflow/fulfillment-actions-library-nodejs

// // for a complete Dialogflow fulfillment library Actions on Google client library v2 integration sample

//get current date

//var currentTime = new Date().getTime();

//while (currentTime + 20000 >= new Date().getTime()) {