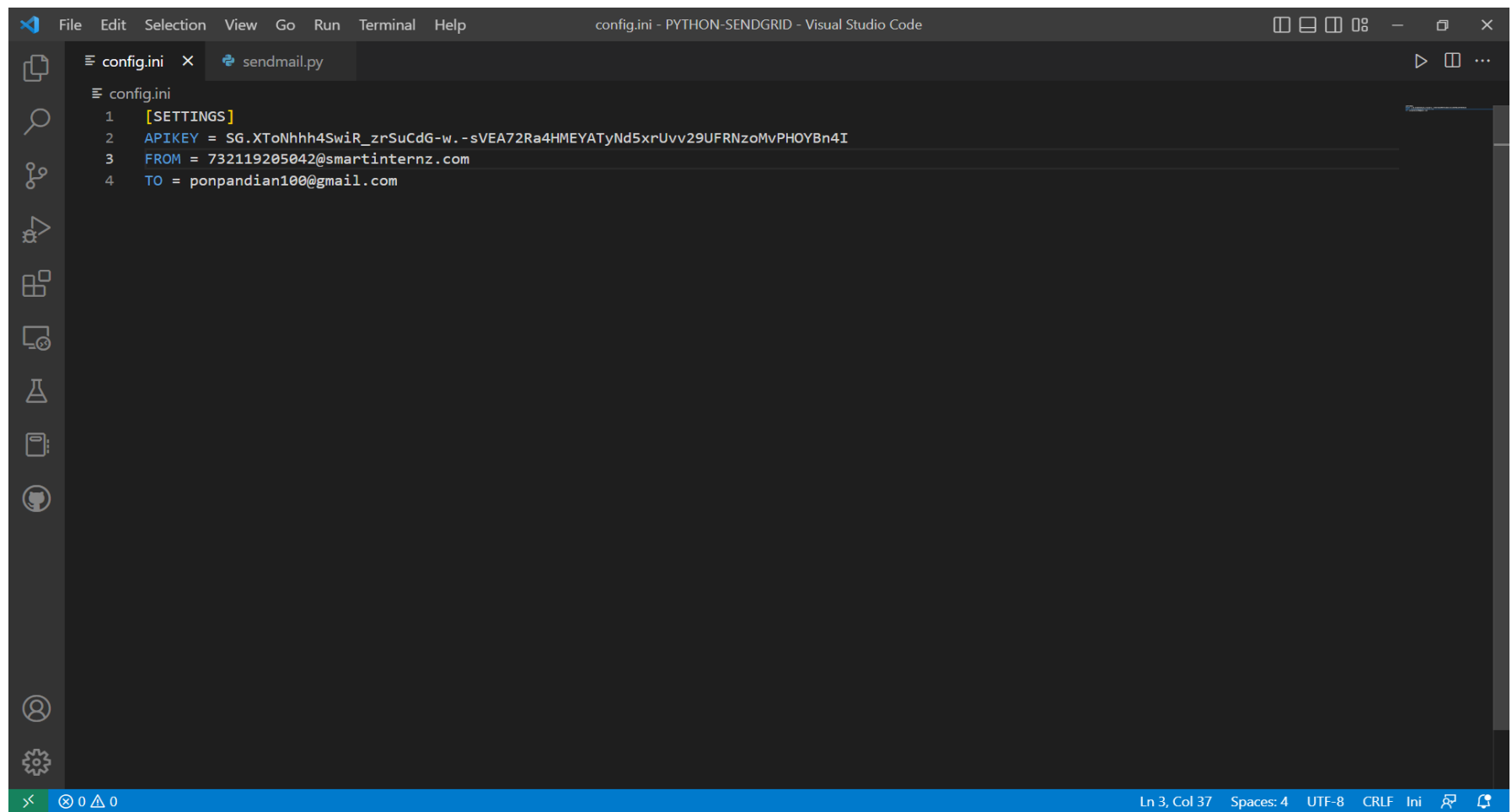


Project Development Phase

Date	02 November 2022
Team ID	PNT2022TMID32271
Project Name	Skill / Job Recommender Application

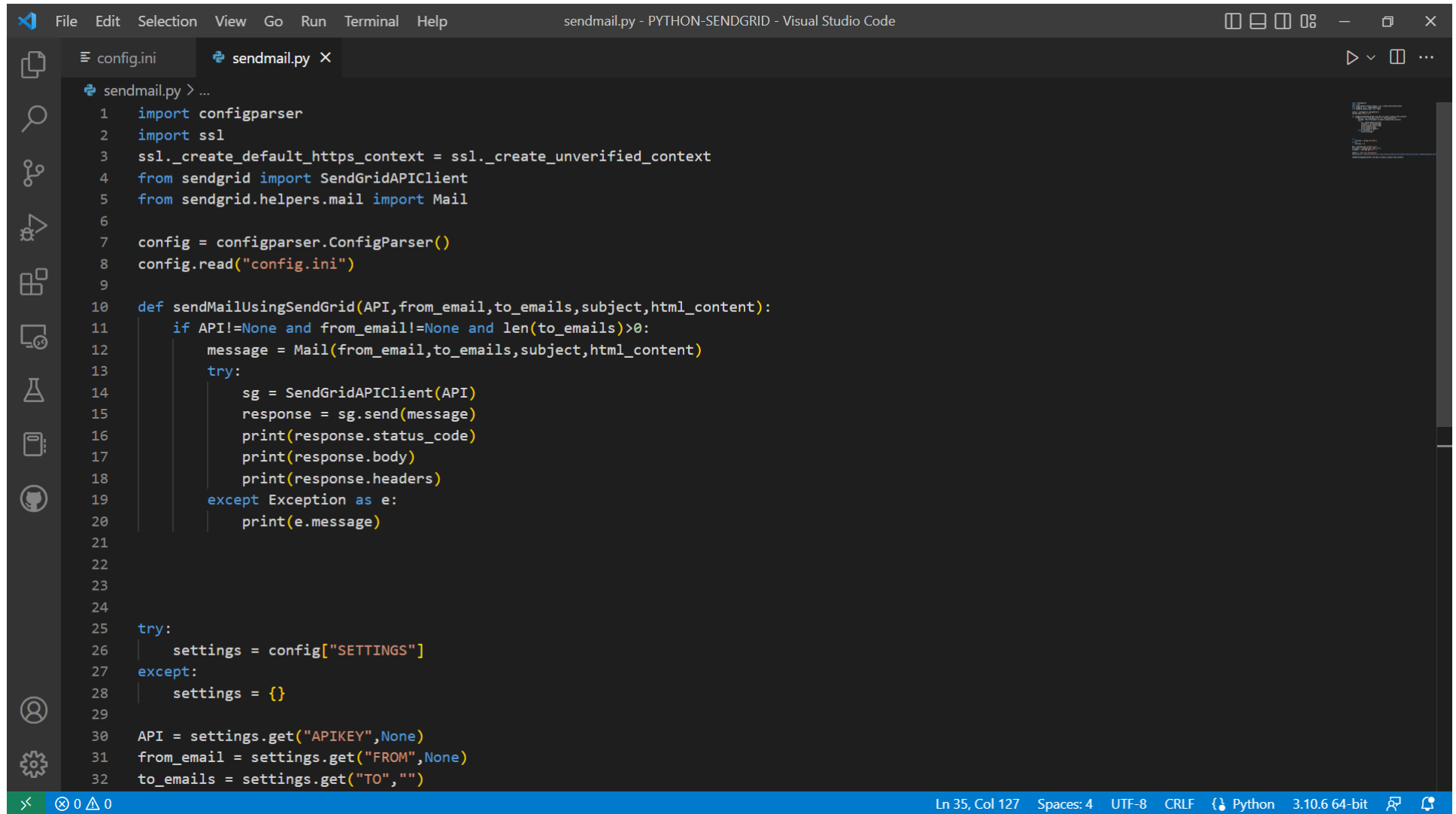
SENDGRID INTEGRATION WITH PYTHON CODE:



The screenshot shows the Visual Studio Code editor interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar indicates the current file is 'config.ini - PYTHON-SENDGRID - Visual Studio Code'. The left sidebar shows the Explorer view with two files: 'config.ini' and 'sendmail.py'. The main editor area displays the contents of 'config.ini' with the following code:

```
1 [SETTINGS]
2 APIKEY = 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
3 FROM = 732119205042@smartinternz.com
4 TO = ponpandian100@gmail.com
```

The status bar at the bottom shows 'Ln 3, Col 37', 'Spaces: 4', 'UTF-8', 'CRLF', 'Ini', and a search icon.



The image shows a Visual Studio Code editor window with a dark theme. The title bar at the top reads "sendmail.py - PYTHON-SENDGRID - Visual Studio Code". The menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The Explorer sidebar on the left shows two files: "config.ini" and "sendmail.py". The main editor area displays the "sendmail.py" file, which contains Python code for sending emails using the SendGrid API. The code includes imports for configparser, ssl, and SendGridAPIClient, as well as Mail from sendgrid.helpers.mail. It defines a function sendMailUsingSendGrid that takes API, from_email, to_emails, subject, and html_content as arguments. The function checks if the API key is present and if there are recipients. It then creates a Mail object and attempts to send it using the SendGridAPIClient. If successful, it prints the status code, body, and headers. If an exception occurs, it prints the error message. Finally, it reads settings from a config.ini file and uses them to populate the function arguments.

```
1 import configparser
2 import ssl
3 ssl._create_default_https_context = ssl._create_unverified_context
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 config = configparser.ConfigParser()
8 config.read("config.ini")
9
10 def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
11     if API!=None and from_email!=None and len(to_emails)>0:
12         message = Mail(from_email,to_emails,subject,html_content)
13         try:
14             sg = SendGridAPIClient(API)
15             response = sg.send(message)
16             print(response.status_code)
17             print(response.body)
18             print(response.headers)
19         except Exception as e:
20             print(e.message)
21
22
23
24
25 try:
26     settings = config["SETTINGS"]
27 except:
28     settings = {}
29
30 API = settings.get("APIKEY",None)
31 from_email = settings.get("FROM",None)
32 to_emails = settings.get("TO","")
```

The status bar at the bottom indicates the current position is Line 35, Column 127, with 4 spaces, UTF-8 encoding, CRLF line endings, Python 3.10.6 64-bit interpreter, and 0 errors, 0 warnings, and 0 info messages.

Visual Studio Code interface showing a Python script and its execution output.

File Explorer: config.ini, sendmail.py

Code Editor (sendmail.py):

```
31 from_email = settings.get("FROM",None)
32 to_emails = settings.get("TO","")
33
34 subject = "Skill/Job Recommender"
35 html_content = "Message Successfully send through SendGrid with Python code by the Team : PNT2022TMID32271 our Project Name is Job /Skill R
36
37 sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)]
```

Terminal:

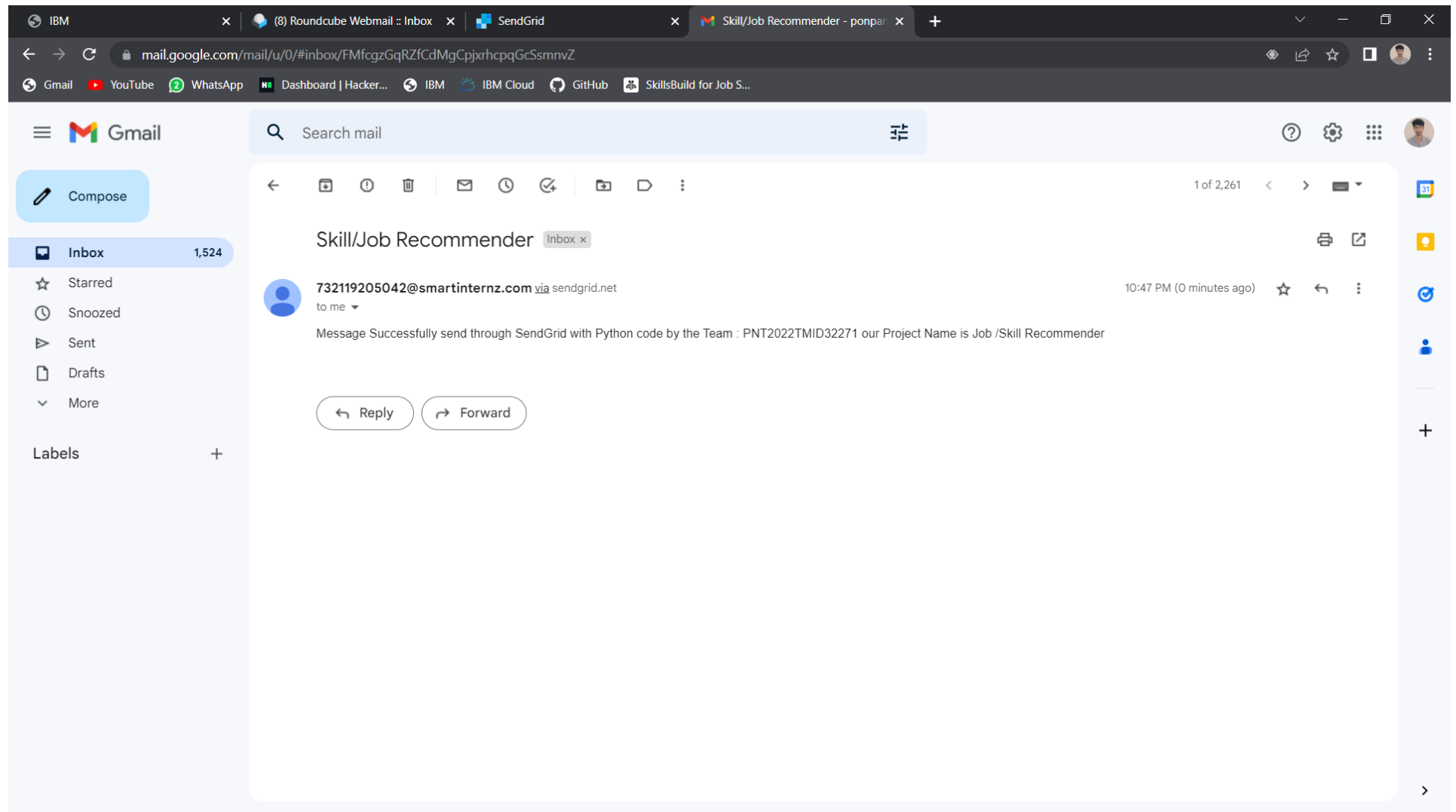
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS D:\PYTHON-SENDGRID> python -u "d:\PYTHON-SENDGRID\sendmail.py"
202
b''
Server: nginx
Date: Mon, 14 Nov 2022 17:17:15 GMT
Content-Length: 0
Connection: close
X-Message-Id: GE8Zmai8RRct205iEOYEzg
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-ac1
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/Classroom/Basics/API/cors.html
Strict-Transport-Security: max-age=600; includeSubDomains

PS D:\PYTHON-SENDGRID>
```

Status Bar: Ln 37, Col 69 | Spaces: 4 | UTF-8 | CRLF | Python 3.10.6 64-bit

EMAIL FROM SENDGRID:



BUILDING A CHATBOT:

IBM

IBM Watson Service Page

IBM Watson Assistant

WhatsApp

Inbox (1,520) - ponpandian

Home - PSSSL Jobs

au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2F3ce22774e157473a8012861e752bc87c%3Ae04f8ce2-317d-45fe-ae1c-e0a831150e9b...

GmailYouTubeWhatsAppDashboard | Hacker...IBMIBM CloudGitHubSkillsBuild for Job S...

IBM Watson Assistant LiteUpgradeJob Bot ↕Learning center

Actions

Actions

Created by you

Set by assistant

Variables

Created by you

Set by assistant

Set by integration

Saved responses

Name	Last edited	Examples Count	Status	
Company Branches	2 hours ago	1	✓	⋮
Company Information	2 hours ago	1	✓	⋮
Hi	2 hours ago	2	✓	⋮
Users Feedback	2 hours ago	1	✓	⋮
Company Laneline Number	2 hours ago	1	✓	⋮

Items per page: 50Showing 1–5 of 5 actions11 of 1 pages

Preview▶

Hi

Customer starts with:
Hi

Conversation steps

1

How can I help you?

Company Inf... Company Lan... + 2

Continue to next step

2

1 is Company Branches

Enter your Location.

Free text

Go to action: Company Branches

3

1 is Company Information

Enter your location.

Free text

Go to action: Company Informa...

1

is Company Laneline Number

New step +

Customer starts with:

Enter phrases that a customer types or says to start the conversation about a specific topic. These phrases determine the task, problem, or question your customer has.

The more phrases you enter, the better your assistant can recognize what the customer wants.

Enter phrases your customer might use to start this action Total: 2

Enter a phrase

.

Hi

Preview

Greet customer [default]

Welcome, This is Job Assistant. How can I help you?
(Say Hi to chat)

Type something...