A L E X A S K I L L S

T A B L E O F C O N T E N T

1. Introduction:

A python program on Alexa Skills for crypto currency transactions.

Here python will accept transactions in CSV format and create a SQLite table in a local database having inserted all the transactions into the table.

User will request to Alexa, that request is converted into a SQL query and fired on the table, then the result is spoken back to user by Alexa.

2. Python Libraries Used:

sqlite3 : Database

csv : to read the csv (transactions)

flask : its a web framework, which will create a localhost server

flask_ask : it is used to send and receive request to-from Alexa

Other program:

Ngrok : securely tunnels the request from Alexa to localhost (Flask).

Amazon Developer console : Alexa Skills set.

3. Alexa skills has two modules:

1. Skill Service
2. Skill interface

3.1 Setup Module 1

1: setup https server

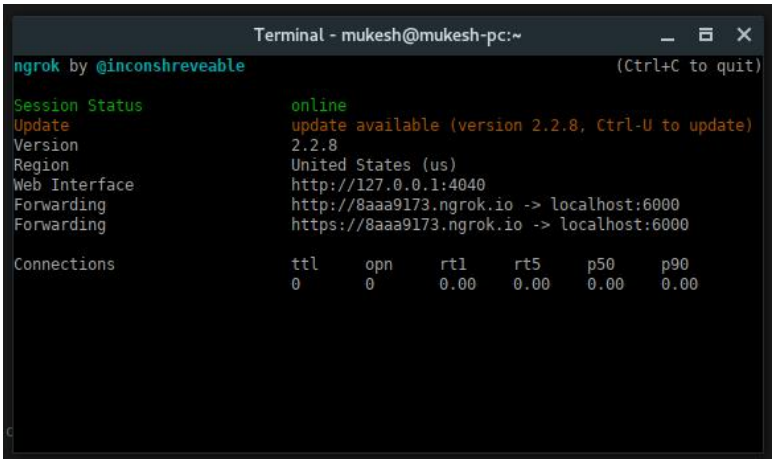
Command: python cryptAlexa.py

```
* Running on http://127.0.0.1:6000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 988-472-923
```

Now, Flask localHost server is running on port 6000

2: run ngrok to route the alexa request from internet to this localhost(flask)

Command: sudo ngrok http 6000



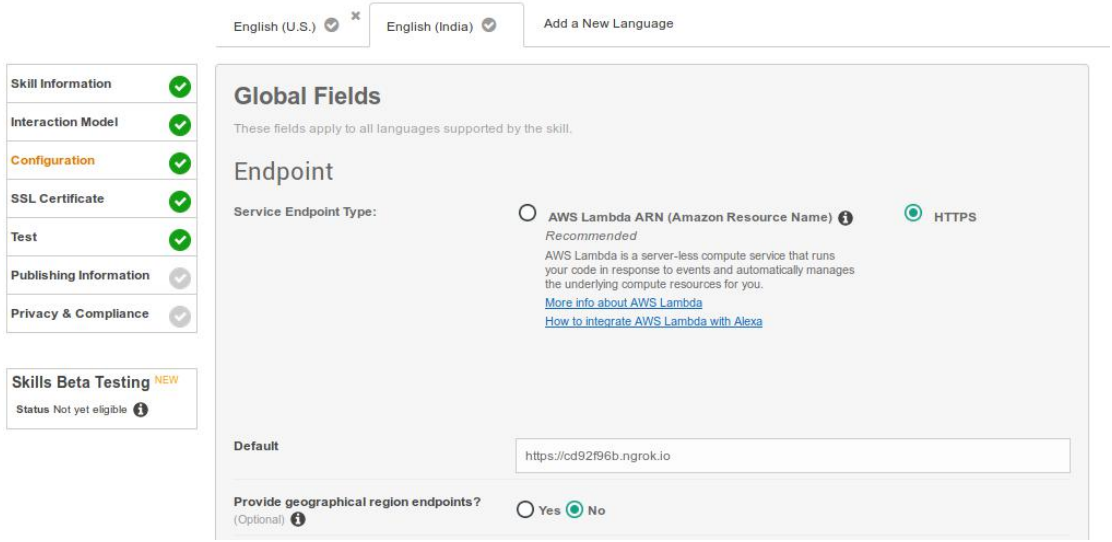
Ngrok will route all request made on https://8aaa9173.ngrok.io to localhost:6000

https://8aaa9173.ngrok.io will be used in Alexa module 2

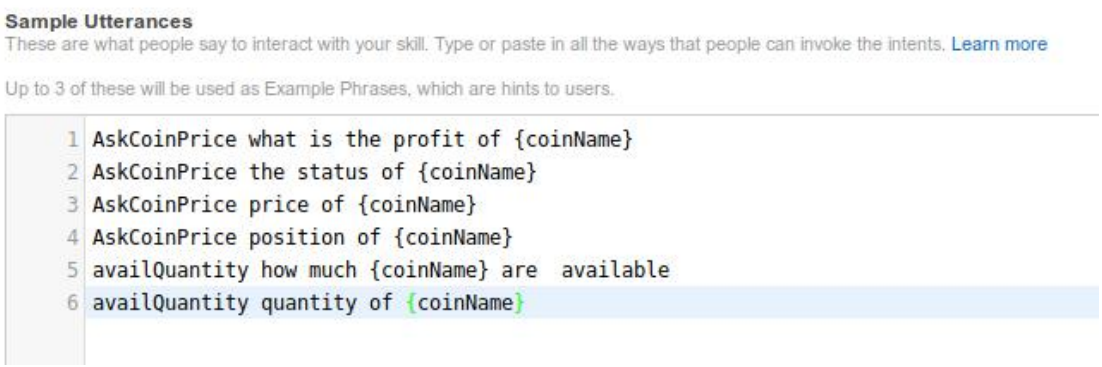
3.2. Setup Module 2:

Here we setup Alexa Interface on developer.amazon.com

https://8aaa9173.ngrok.io is specified to the Global Endpoints

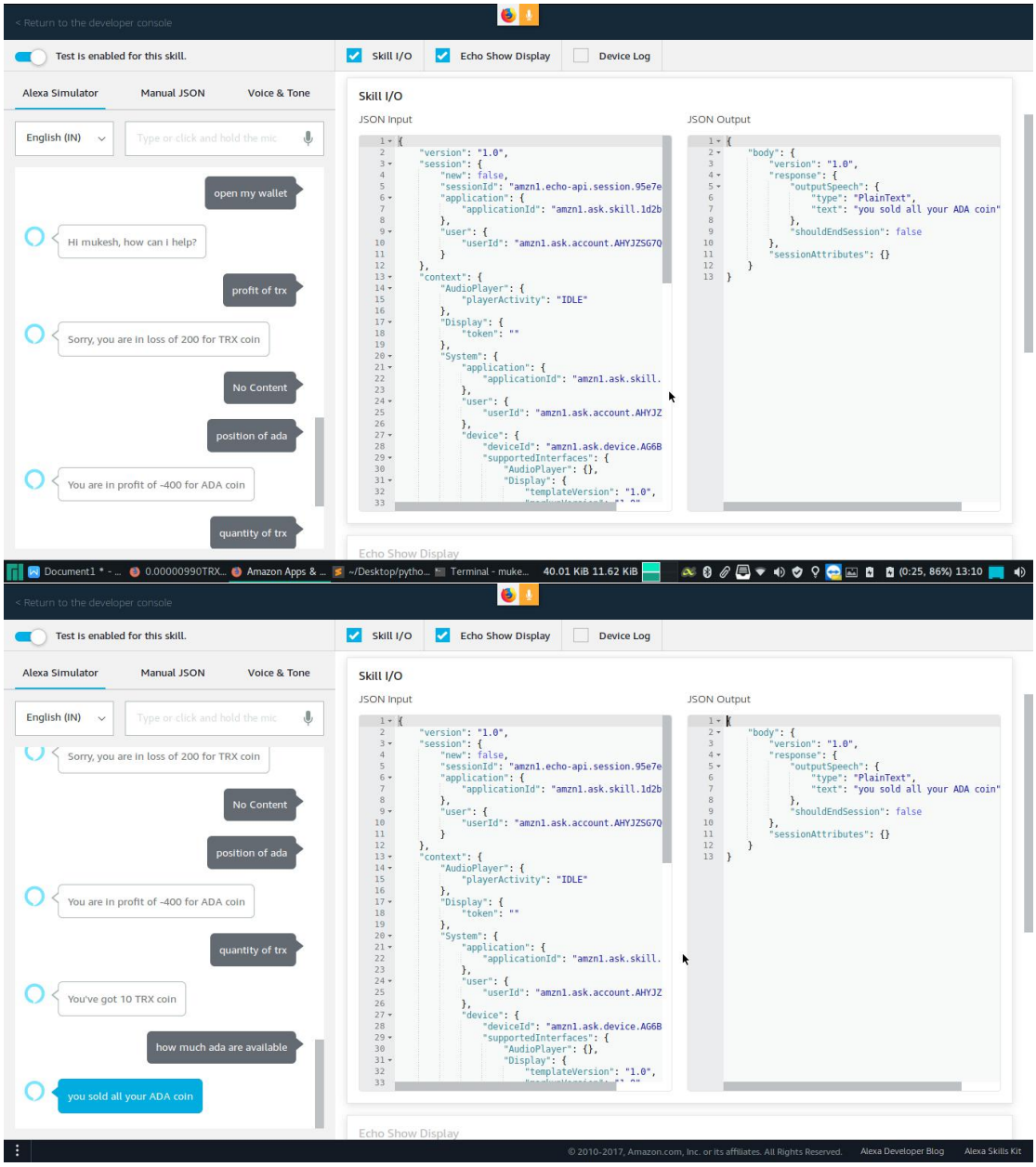


Utterance : if user says the mentioned phrases then Alexa will call the intent named on left-side of the phrase, Which in-turns call the method associated to that intent



4. OUTPUT:

UserID	Date	Coins	BuySell	Qty	Value	Total
mukesh	1-Jan-18	ETC	BUY	100	10	1000
mukesh	1-Jan-18	TRX	BUY	100	10	1000
mukesh	1-Jan-18	TRX	BUY	100	12	1200
mukesh	2-Jan-18	ETC	SELL	-100	11	-1100
mukesh	2-Jan-18	TRX	SELL	-100	11	-1100
mukesh	3-Jan-18	ETC	BUY	100	12	1200
mukesh	3-Jan-18	TRX	SELL	-90	10	-900
mukesh	4-Jan-18	ETC	SELL	-100	15	-1500



Project Link:

GITHUB: https://github.com/SutharMukesh/CryptoAlexa/