TASK : CREATING A SKILL IN ALEXA. SKILL IS TO REPEAT WHATEVER USER SAYS. AND THE STRING SAID BY THE USER SHOULD BE STORED IN THE DATABASE

Create the Skill

To start, you'll need Python installed. If you're on a recent version of OS X or Linux, Python comes preinstalled. On Mac, you can find installation instructions here. You may also need to install pip, which can be found here. On Windows, follow these installation instructions. Once Python and pip are installed, open a terminal, and type the below command to install Flask-Ask. Note: You might need to precede it with sudo on Unix if you get permission errors.

pip install flask-ask

Next, create a new file called start.py with the code which is attached with this document.

Flask-Ask lets you separate code and speech with templates. Create a file named templates.yaml in the same location as start.py. templates..yaml is allways attached to this doocument.

Now, the skill is ready to run.

Run the Skill

Back in the terminal, cd into the location of your files and type:

python start.py

A development server launches on http://127.0.0.1:5000/, and the skill is almost ready to configure in Amazon's Developer Portal.

Before configuration, the skill must run behind a public HTTPS server . Setting up either would be impediments right now. Fortunately, there's ngrok to the rescue!

ngrok is a command-line program that opens a secure tunnel to localhost and exposes that tunnel behind an HTTPS endpoint. ngrok makes it so Alexa can talk to your code right away.

Follow the next three steps to generate a public HTTPS endpoint to 127.0.0.1:5000.

1. Download the ngrok client for your operating system.
2. Unzip it to a location you can remember.
3. Open up a new terminal, cd into the location, and enter:
   ngrok.exe http 5000

ngrok displays a status message similar to the one below. Note: The status message you see will be different.

```
ngrok by @inconshreveable
Tunnel Status          online
Version                2.0.25/2.1.1
Region                 United States (us)
Web Interface          http://127.0.0.1:4040
Forwarding             http://20ba2c6f.ngrok.io -> localhost:5000
Forwarding             https://20ba2c6f.ngrok.io -> localhost:5000
```

Make note of the last HTTPS endpoint (in the example above, it's: https://20ba2c6f.ngrok.io). Now, let's configure the skill in Amazon's developer portal.

Configure the Skill

Make sure you're logged into your Amazon developer account, and go to your list of Alexa skills. Click the "Add a New Skill" button. Configure each section as outlined below:

PS: Create this skill by selecting the add a new language and select english (india) as the skill can not be assessed using english(u.s)

AND INSTEAD OF CREATING YOUR OWN ACCOUNT

my account details of amazon console developer:

user: *******

password: *******

Skill Information Settings

1. Leave the "Skill Type" set to "Custom Interaction Model"
2. Enter "Look Game" (without quotes) for both the "Name" and "Invocation Name" fields.

Interaction Model Settings

Copy the JSON below into the "Intent Schema" field. Don't worry about "Custom Slot Types".

```
{
  "intents": [
    {
      "intent": "AMAZON.CancelIntent"
    },
    {
      "intent": "AMAZON.HelpIntent"
```

```
    },
    {
     "intent": "AMAZON.StopIntent"
    },
    {
     "intent": "HaltIntent"
    },
    {
     "slots": [
      {
       "name": "text",
       "type": "RANDOM_TEXT"
      }
     ],
     "intent": "AnswerIntent"
    },
    {
     "intent": "YesIntent"
    }
  ]
}
```

Create custom slots

Copy the utterances below into the "Sample Utterances" field.

HaltIntent stop

AnswerIntent repeat {text}

AnswerIntent repeat this {text}

YesIntent yes

YesIntent sure

Configuration Settings

1. Make sure the HTTPS radio button is selected for the "Endpoint" field.
2. **Enter the HTTPS endpoint from ngrok into the textfield.**
3. Don't bother with "Account Linking".

SSL Certificate Settings

It's important to choose the second radio button with the label because that's what ngrok uses.

My development endpoint is a subdomain of a domain that has a wildcard certificate from a certificate authority.

We don't need to go through any other screens. Simply make sure the information on all sections above are saved.

Test the Skill

Now, it's time to test your skill with the following interaction sequence with your Alexa-enabled device. If you need a test tool, try EchoSim.io:

USER: ALEXA LOOK GAME.

ALEXA: Welcome! Say repeat before whatever you say. Ready?!

USER: YES/SURE

ALEXA: Say something

USER: REPEAT (say sentence)

ALEXA : sentence

CREATE A EXE FILE OF MULTIPLE PYTHON FILES

Steps to convert .py to .exe in Python 3.6

1.Install Python 3.6.

2.Installcx_Freeze, (open your command prompt and type `pip install cx_Freeze`.

3.Write a .py program named `start.py'.

4.Create a new python file named `setup.py' on the current directory of your script.

5.On the setup.py, code this and save it.

6.With shift pressed right click on the same directory, so you are able to open a command prompt window.

7.Save all the packages and python codes used to run the main python file in the same directory.

8.In the prompt, type >> python setup.py build

9.If your script is error free, then there will be no problem on creating application.

10.Check the newly created folder `build`. It has another folder in it. Within that folder you can find your application. Run it. Make yourself happy.