list envs
conda info --envs

delete envs
conda remove -n rasa --all

create new env
conda create -n rasa python=3.7

activate env
activate rasa

find latest rasa
pip install rasa==

find latest tensorflow
pip install tensorflow==

install TF using
pip install --upgrade tensorflow==2.31

whl site link
https://www.lfd.uci.edu/~gohlke/pythonlibs/
https://github.com/fo40225/tensorflow-windows-wheel

install spacy
pip install rasa[spacy]==2.0.0a2

##check installed version
pip freeze

download the pre-trained models
python -m spacy download en_core_web_md
python -m spacy link en_core_web_md en

python 3.8.3
pip install rasa==2.0.0a2

create a new project (optional-just for testing)
mkdir temp
Cd temp
rasa init

Rasa config
https://rasa.com/docs/rasa/tuning-your-model/

```
language: "en"
pipeline:
  - name: SpacyNLP
  - name: SpacyTokenizer
  - name: SpacyFeaturizer
  - name: RegexFeaturizer
  - name: LexicalSyntacticFeaturizer
  - name: CountVectorsFeaturizer
  - name: CountVectorsFeaturizer
    analyzer: "char_wb"
    min_ngram: 1
    max_ngram: 4
  - name: DIETClassifier
    epochs: 100
  - name: EntitySynonymMapper
  - name: ResponseSelector
    epochs: 100
policies:
  - name: MemoizationPolicy
  - name: TEDPolicy
    max_history: 5
    epochs: 200
  - name: RulePolicy
```

rasa domain

```
actions:
- action_search_restaurants
- check_location
- utter_ask_cuisine
- utter_ask_howcanhelp
- utter_ask_location
- utter_default
- utter_goodbye
- utter_greet
entities:
- cuisine
- location
- people
- price
```

```
intents:
- greet
- restaurant_search
- affirm
- goodbye
- stop.
responses:
  utter_ask_cuisine:
  - buttons:
    - payload: Chinese
      title: Chinese
    - payload: Italian
      title: Italian
    - payload: South Indian
      title: South Indian
    - payload: North Indian
      title: North Indian
    text: what kind of cuisine would you like?
  utter_ask_howcanhelp:
  - text: how can I help you?
  utter_ask_location:
  - text: In what location?
  utter_default:
  - text: i cannot understand
  utter_goodbye:
  - text: goodbye :(
  - text: Bye-bye
  utter_greet:
  - text: hey there! How may i help you
  - text: Hi, How can I help you!
  - text: Hey, How is it going How May I help you Today
session_config:
  carry_over_slots_to_new_session: true
  session_expiration_time: 0
slots:
  cuisine:
    type: text
  location:
    type: text
  check_op:
    type: bool
```

train nlu
rasa train nlu

train core
rasa train

start action server
rasa run actions

##mail send
https://www.tutorialspoint.com/send-mail-from-your-gmail-account-using-python

##check zomato user key

```
import requests
import json
import pandas as pd

base_url = "https://developers.zomato.com/api/v2.1/"
headers = {'Accept': 'application/json', 'user-key': 'faftgsdfsdgsgsdgsd’'}
r = (requests.get(base_url + "locations?query=" + str('mumbai') + "&count=" + str(5),
headers=headers).content).decode("utf-8")
json.loads(r)



location_json = json.loads(r)
location_results = len(location_json['location_suggestions'])
lat=location_json["location_suggestions"][0]["latitude"]
lon=location_json["location_suggestions"][0]["longitude"]
city_id=location_json["location_suggestions"][0]["city_id"]
print(location_results,lat,lon,city_id)



cuisines_dict={'american': 1,'chinese': 25, 'north indian': 50, 'italian': 55, 'mexican': 73, 'south
indian': 85, 'thai': 95}
cuisines = str(cuisines_dict['north indian'])

cuisines = "%2C".join(cuisines.split(","))
headers = {'Accept': 'application/json', 'user-key': 'faftgsdfsdgsgsdgsd’}
```

```
r = (requests.get(base_url + "search?q=" + str('') + "&count=" + str(10) + "&lat=" + str(lat) +
"&lon=" + str(lon) + "&cuisines=" + str(cuisines), headers=headers).content).decode("utf-8")

print(json.loads(r))



d1 = json.loads(r)
d = d1['restaurants']
df1 = pd.DataFrame([{'restaurant_name': x['restaurant']['name'], 'restaurant_rating':
x['restaurant']['user_rating']['aggregate_rating'],
'restaurant_address': x['restaurant']['location']['address'],'budget_for2people':
x['restaurant']['average_cost_for_two'],
'restaurant_photo': x['restaurant']['featured_image'], 'restaurant_url': x['restaurant']['url'] } for x in
d])

df1
```

flask

#Oauth
https://docs.microsoft.com/en-us/azure/bot-service/bot-service-channel-connect-slack?view=azure-bot-service-4.0&tabs=abs

app_mentions:read
channels:history
channels:read
chat:write
groups:history
groups:read
im:history
mpim:history

#connector
https://forum.rasa.com/t/slack-integration-500-error/12318/10

rasa run actions & rasa run --connector slack

#ngrok

ngrok http 5055
https://bd7f2adc03ec.ngrok.io/webhooks/slack/webhook

rasa slack doc
https://rasa.com/docs/rasa/user-guide/connectors/slack/