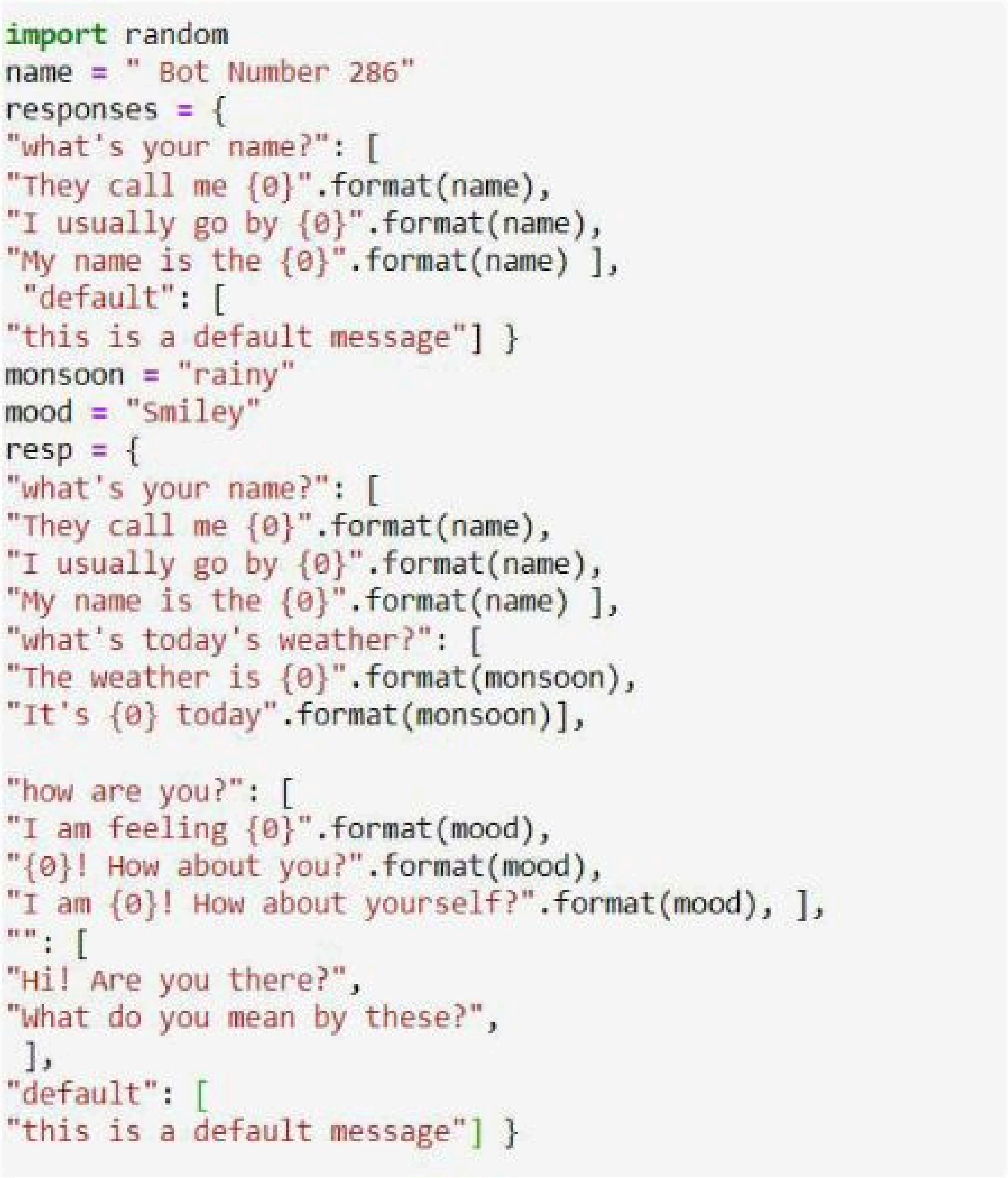
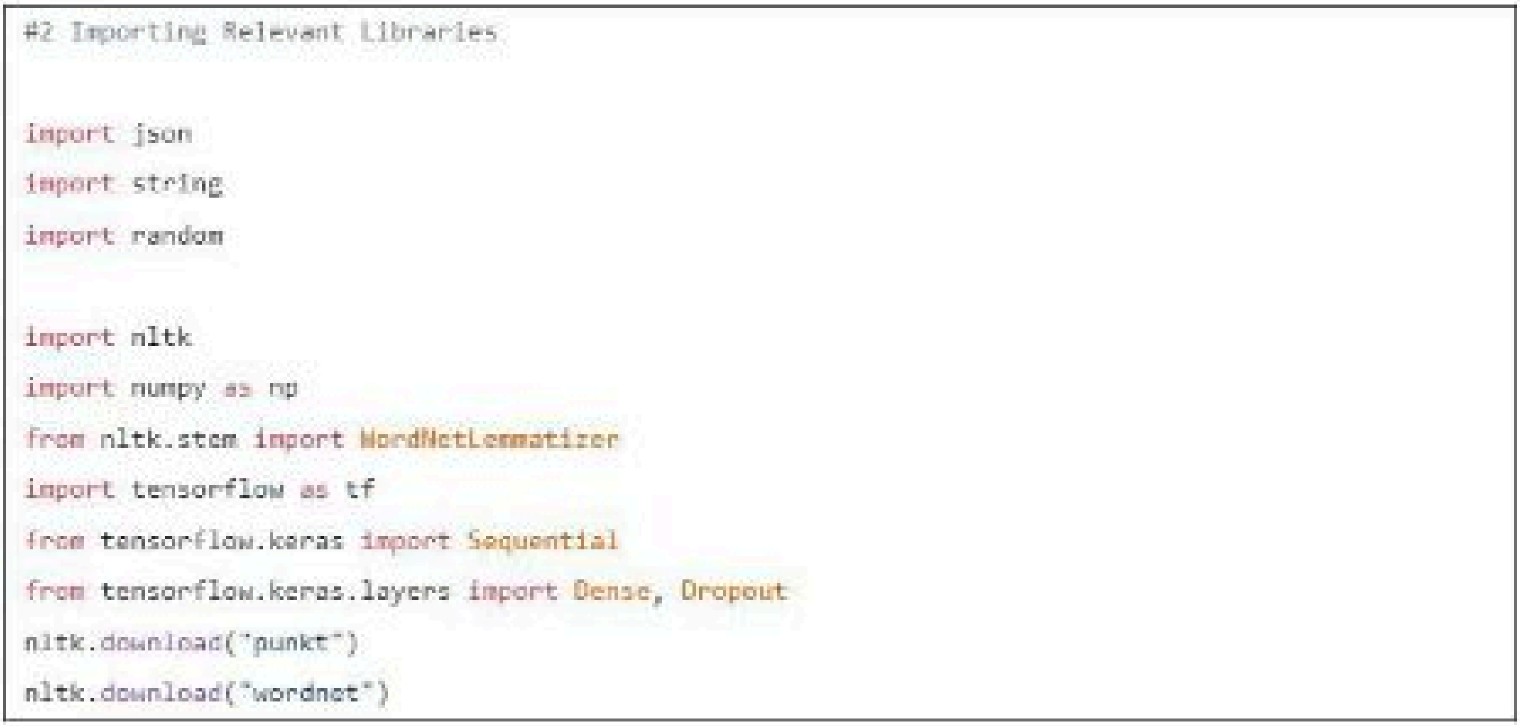
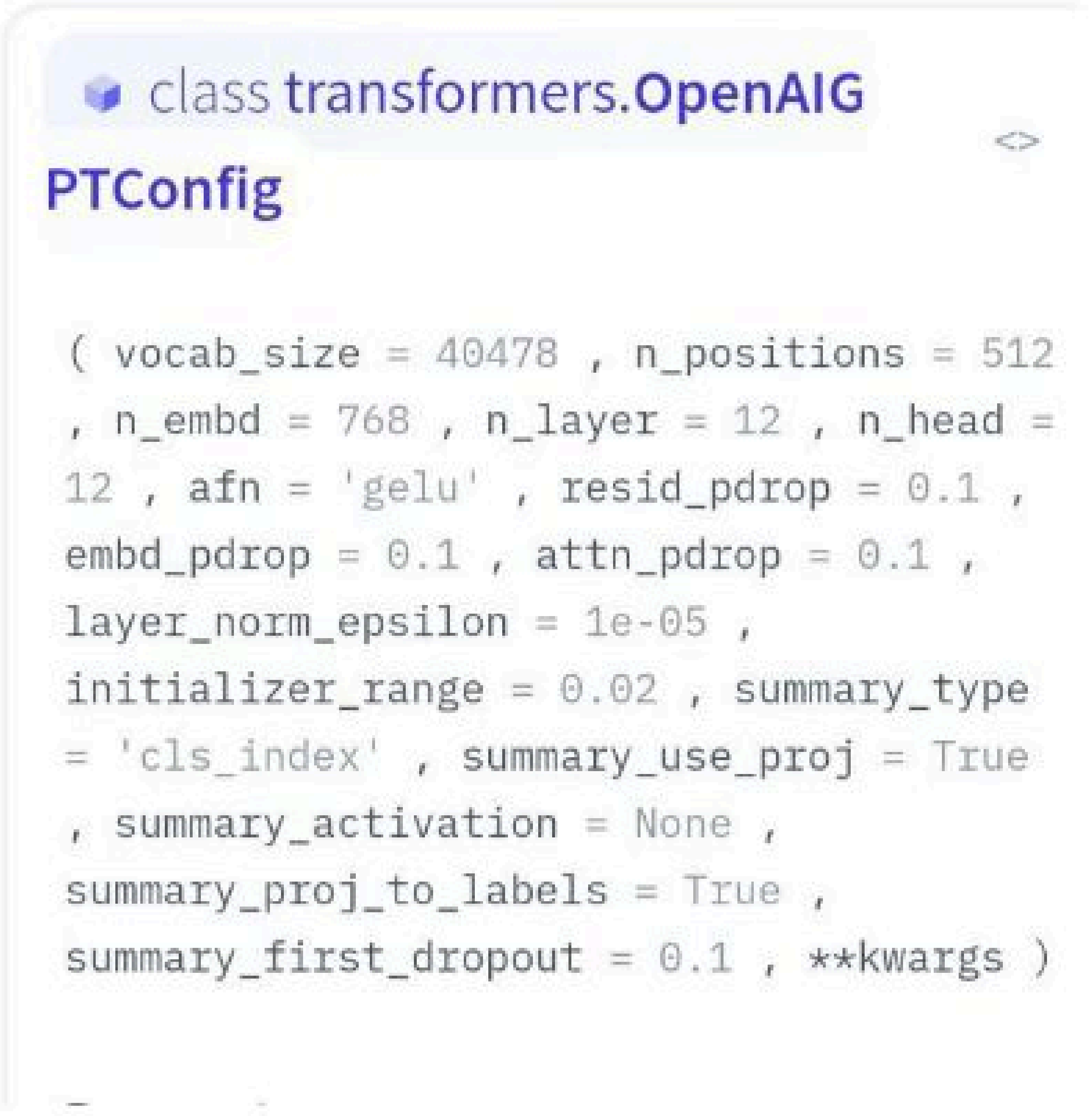
Chatbot



```
import random
name = " Bot Number 286"
responses = {
"what's your name?": [
"They call me {0}".format(name),
"I usually go by {0}".format(name),
"My name is the {0}".format(name) ],
 "default": [
"this is a default message"] }
monsoon = "rainy"
mood = "Smiley"
resp = {
"what's your name?": [
"They call me {0}".format(name),
"I usually go by {0}".format(name),
"My name is the {0}".format(name) ],
"what's today's weather?": [
"The weather is {0}".format(monsoon),
"It's {0} today".format(monsoon)],

"how are you?": [
"I am feeling {0}".format(mood),
"{0}! How about you?".format(mood),
"I am {0}! How about yourself?".format(mood), ],
"": [
"Hi! Are you there?",
"What do you mean by these?",
 ],
"default": [
"this is a default message"] }
```



```
#2 Importing Relevant Libraries


import json
import string
import random

import nltk
import numpy as np
from nltk.stem import WordNetLemmatizer
import tensorflow as tf
from tensorflow.keras import Sequential
from tensorflow.keras.layers import Dense, Dropout
nltk.download("punkt")
nltk.download("wordnet")
```



class transformers.**OpenAIGPTConfig**

```
( vocab_size = 40478 , n_positions = 512
, n_embd = 768 , n_layer = 12 , n_head =
12 , afn = 'gelu' , resid_pdrop = 0.1 ,
embd_pdrop = 0.1 , attn_pdrop = 0.1 ,
layer_norm_epsilon = 1e-05 ,
initializer_range = 0.02 , summary_type
= 'cls_index' , summary_use_proj = True
, summary_activation = None ,
summary_proj_to_labels = True ,
summary_first_dropout = 0.1 , **kwargs )
```

Examples:

```
>>> from transformers import OpenAIGPT

>>> # Initializing a GPT configuration
>>> configuration = OpenAIGPTConfig()

>>> # Initializing a model (with rando
>>> model = OpenAIGPTModel(configurati

>>> # Accessing the model configuratio
>>> configuration = model.config
```

OpenAIGPTTokenizer

class **transformers.OpenAIGPTTokenizer** <>

```
( vocab_file , merges_file , unk_token =
'<unk>' , **kwargs )
```