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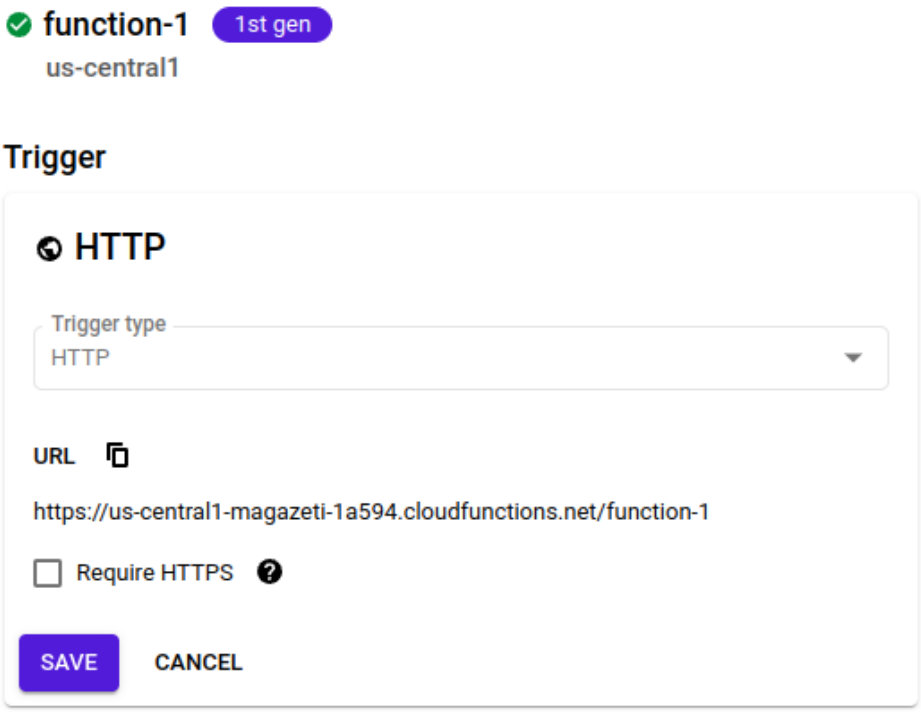
Batch code: lisum11
Submission date: 3 sept 2022
Submitted to: github
Model link: https://us-central1-magazeti-1a594.cloudfunctions.net/function-1

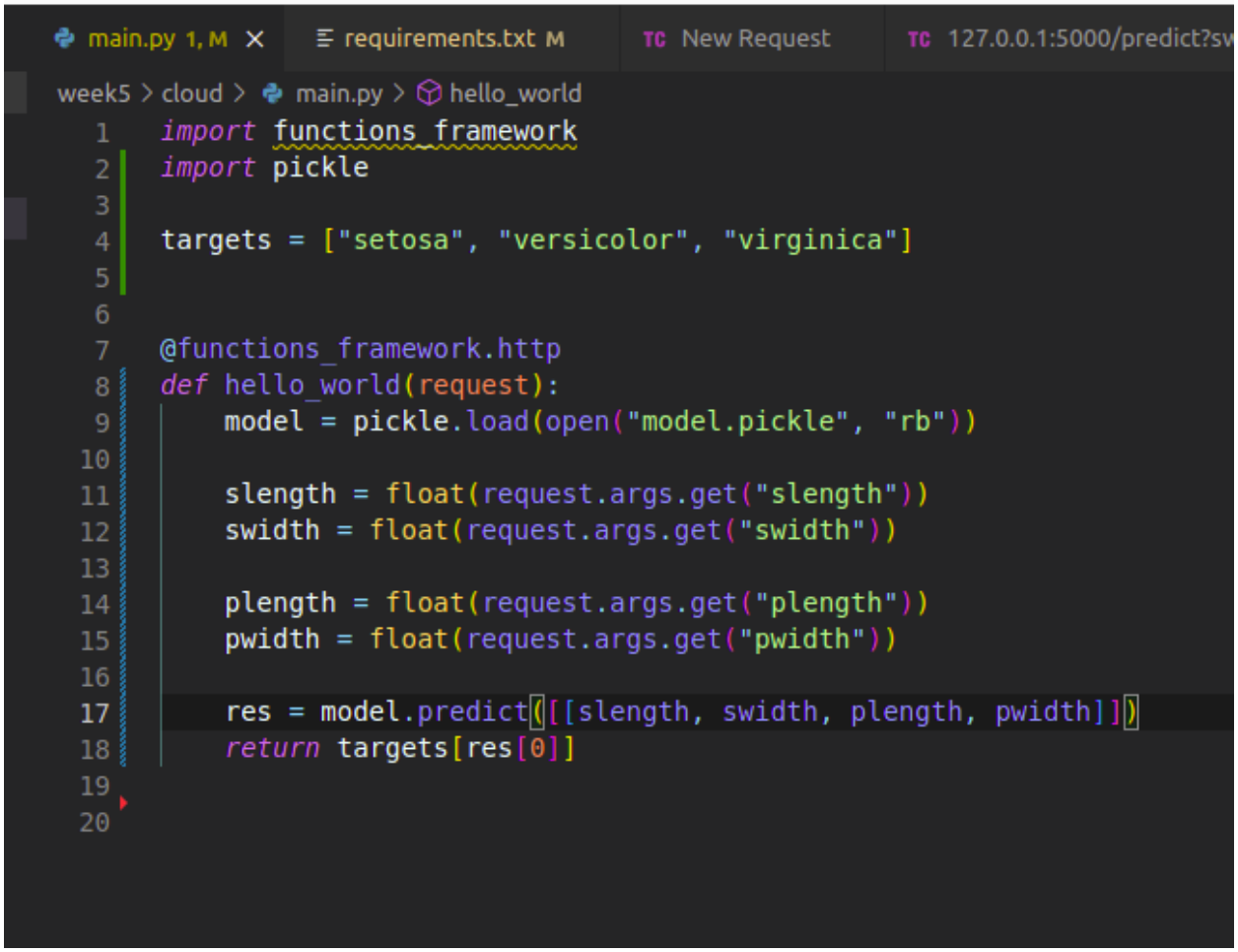
Introduction

Using a toy dataset (Iris dataset) from sklearn, we will deploy a model using google cloud function. Our model has 4 feature values: "sepal length (cm)", "sepal width (cm)", "petal length (cm)" and "petal width (cm)". Our target value has 3 classes: 'setosa', 'versicolor' and 'virginica'.

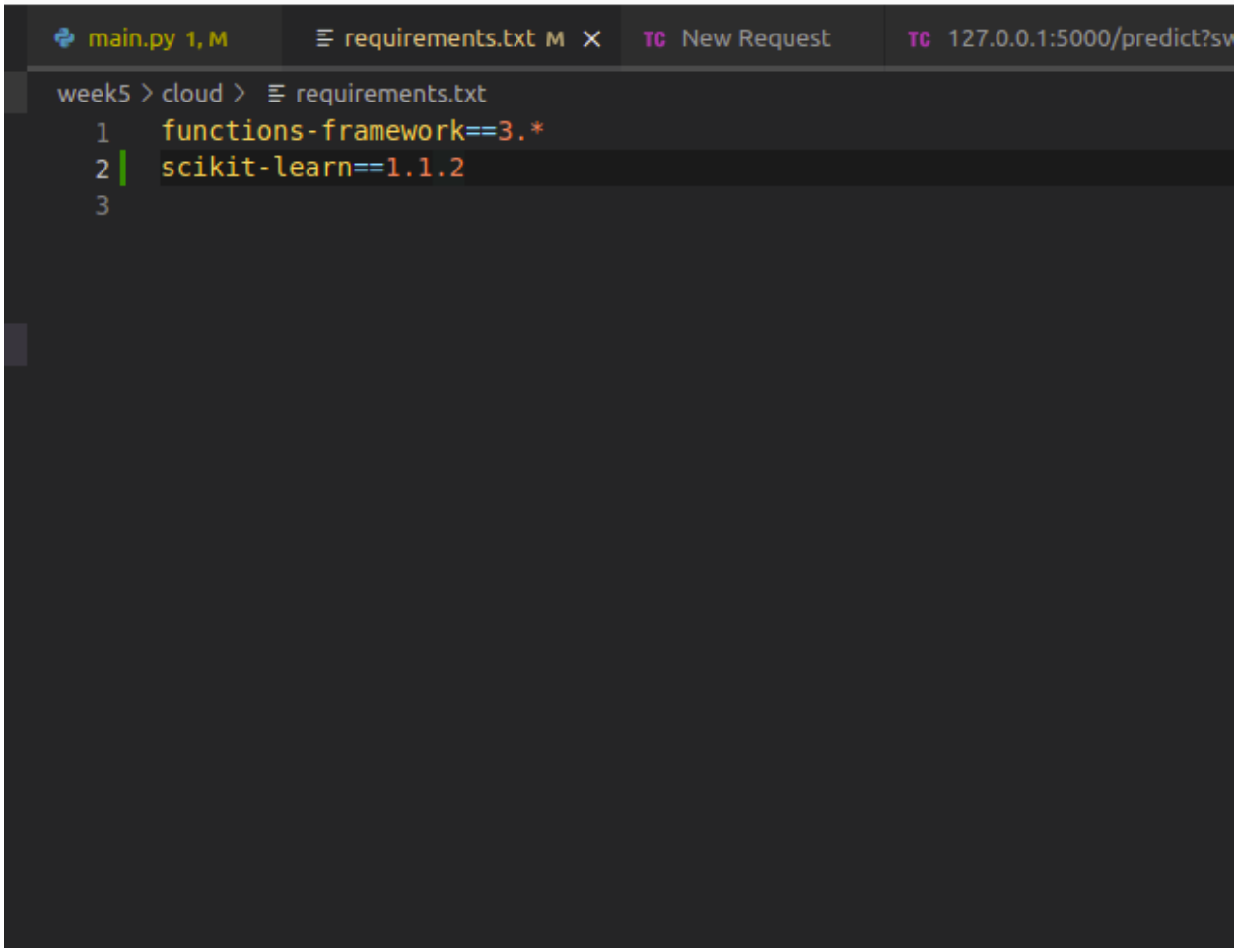
Step 1: Go to google cloud function and create a new function, choose python3.8



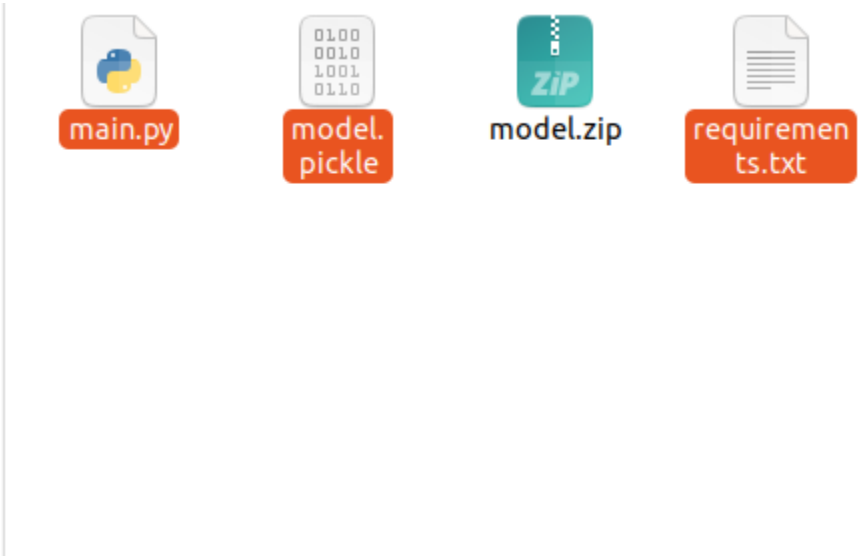
Step 2: Go to vs code and create main.py with the following code, extracted from week 4



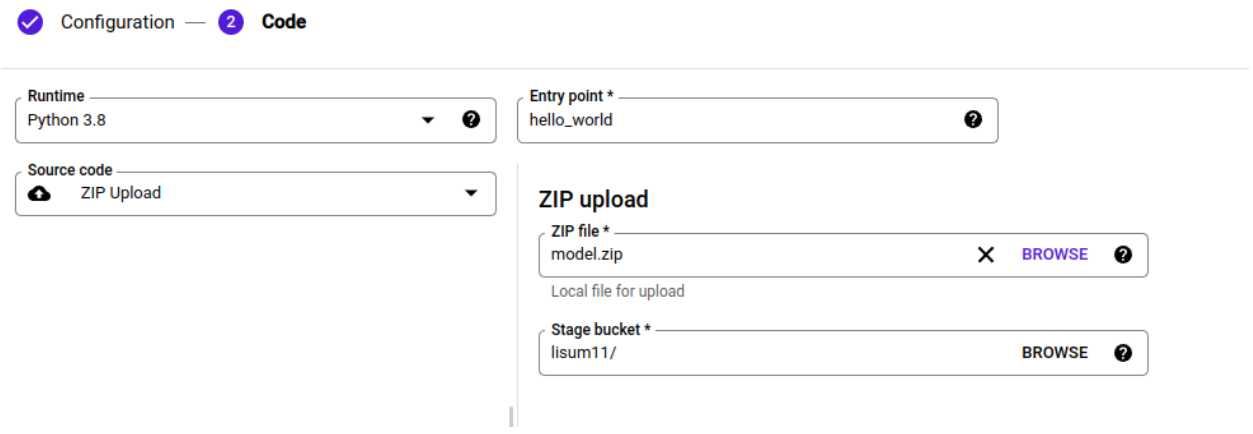
Step 3: create requirements.txt



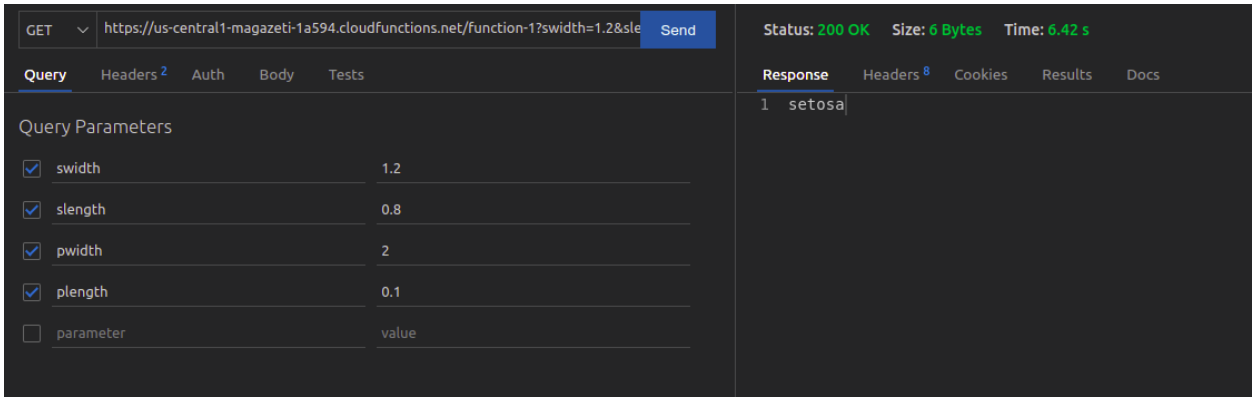
Step 4: zip three files: requirements.txt, main.py and model.pickle(we created in week 4) into a zip file called model.zip



Step 5: upload zip file to google cloud function console



Step 6: Test our new function using Thunderclient



Conclusion

A toy model was successfully deployed on the web using google cloud functions, and we tested it by providing 4 feature values, and we got “setosa” as predicted class.