Explore Machine Learning Models with Explainable AI: Challenge Lab

Let us pass!

2021-06-18

First of all, I have tried 4 times... Orz

(n) QWIK LABS		ls v	vith Explainable Al	: Challenge Lab 0/5	^ ~ X
Explore Machine Learning Models with Explainable Al: Challenge Lab	Lab	23 minutes ago	1 minute ago	100.0/100.0	~
VPC Networks - Controlling Access	Lab	about 1 hour ago	28 minutes ago	100.0/100.0	~
Multiple VPC Networks	Lab	about 1 hour ago	about 1 hour ago	100.0/100.0	~
User Authentication: Identity-Aware Proxy	Lab	about 6 hours ago	about 6 hours ago	100.0/100.0	~
Explore Machine Learning Models with Explainable Al: Challenge Lab	Lab	1 day ago	about 24 hours ago	90.0/100.0	×
Build and Secure Networks in Google Cloud	Quest	1 day ago			
Explore Machine Learning Models with Explainable Al: Challenge Lab	Lab	1 day ago	1 day ago	90.0/100.0	×
Explore Machine Learning Models with Explainable Al: Challenge Lab	Lab	1 day ago	1 day ago	90.0/100.0	×
Explore Machine Learning Models with Explainable Al: Challenge Lab	Lab	1 day ago	1 day ago	90.0/100.0	×

Deploy the models to Al Platform

Now, you'll deploy your models to the Al Platform.

Hint: You need to first create a storage bucket to store your models in.

Key Step:

Create the Complete AI Platform model

Use the following to create your first Al Platform model:

- Model Name = complete_model
- Version Name = v1
- Python version = 3.7
- Framework = **TensorFlow**
- Framework version = 2.3.1
- ML Runtime version = 2.3

Create the Limited Al Platform model

Use the following to create your second Al Platform model:

- Model Name = limited_model
- Version Name = v1
- Python version = 3.7
- Framework = TensorFlow
- Framework version = 2.3.1
- ML Runtime version = 2.3

ML Runtime version = 2.3

We should not follow this. We should keep using the Notebooks' value:

saved_complete_model
and
saved_limited_model

Click Check my progress to verify the objective.



Crad - 2 months ago - edited

Hi Chris,

This challange has been updated and the "walkthrough" is out-of-date now.

Changes that were needed on my side in order to properly finish without any issues:

- 1. Change region for notebook instance to us-central1
- 2. Bucket HAS TO be multiregional (otherwise qwiklabs won't notice your deployed models).
- 3. DON'T change REGION variable to 'us-west1', keep it as 'us-central1' within the notebook
- 4. Qwiklabs sends a notification that you need to specify TensorFlow Runtime version to 2.3 and there are a couple changes to the directory naming schema within the bucket itself. Most up to date version creation commands are:

```
!gcloud ai-platform versions create $VERSION NAME \
--model=$MODEL_NAME \
--framework='TensorFlow' \
--runtime-version=2.3
--origin=$MODEL BUCKET/saved complete model/complete model \
--staging-bucket=$MODEL BUCKET \
--pvthon-version=3.7 \
--project=$GCP PROJECT
and
!gcloud ai-platform versions create $VERSION WAME
--model=$LIM MODEL NAME \
--framework='TensorFlow'
--runtime-version=2.3 \
--origin=$MODEL BUCKET/saved limited model/limited model \
--staging-bucket=$MODEL BUCKET \
--python-version=3.7 \
--project=$GCP PROJECT
```

With these changes applied it's a breeze. Thank you for your work!

EDIT: You might also wander whether the model names are correct. The qwiklabs notifications are specifying that the model name should be 'complete_model' while the notebook script has 'saved_complete_model'. But leave it as 'saved_complete_model'. I already reported the issue, so this might be changed in the future, but if you leave it as is then everything's fine.

```
^ | ✓ • Reply • Share ›
```

Key Step:

Runtime should use 2.3

Lesson learnt

1. True that, there are YouTube and GitHub provides some solutions.

2. But, **Qwiklabs** modified their questions time to time.

3. "Comment" is the MUST-READ!

References

 Explore Machine Learning Models with Explainable AI: Challenge Lab | logbook

https://chriskyfung.github.io/blog/qwiklabs/Explore-Machine-Learning-Models-with-Explainable-Al-Challenge-Lab (The first comment is important!)

- My GitHub Repo

https://github.com/oktak/Cloud-Study-Jam-2021

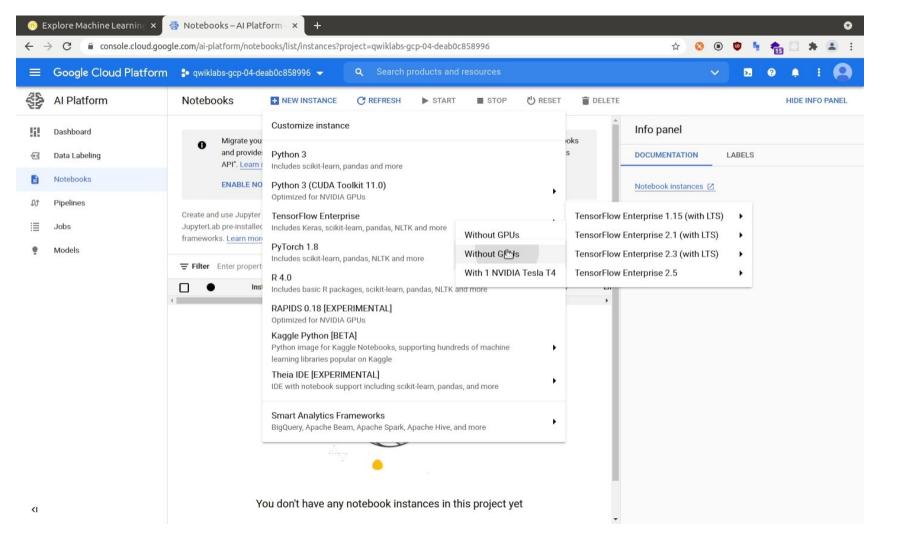
Thanks

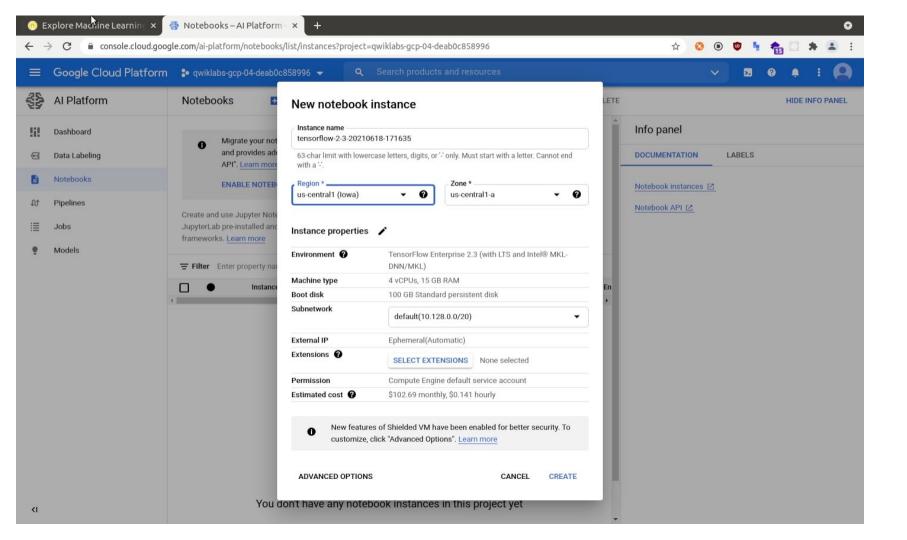
- Leonardo LEE

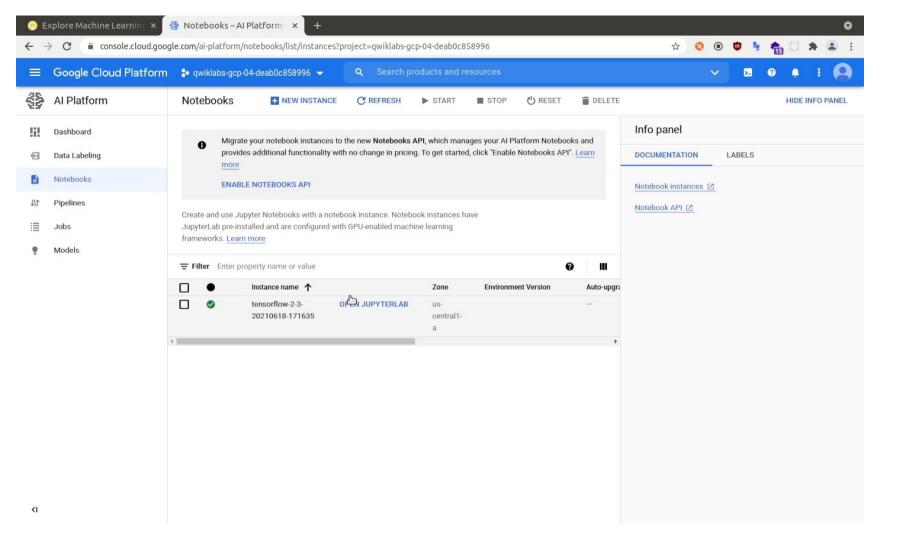
He has given me the hints, and then I can pass the Lab successfully.

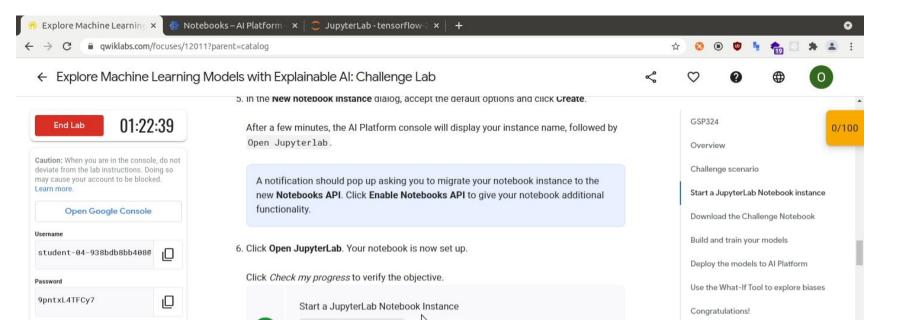
The support team of Qwiklabs

They response quickly. Though they tried to send me some GitHub and YouTube links that they are not leading me to the final solution. (I've called support via the Chat of Qwiklabs.)









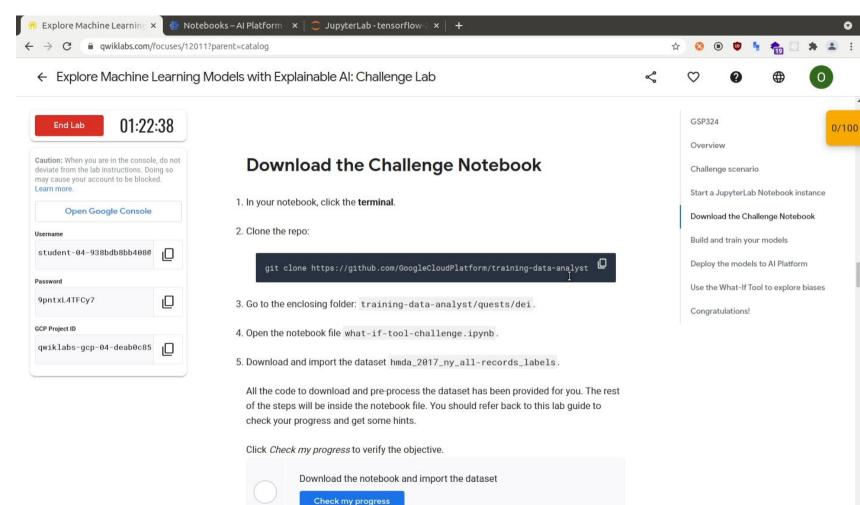
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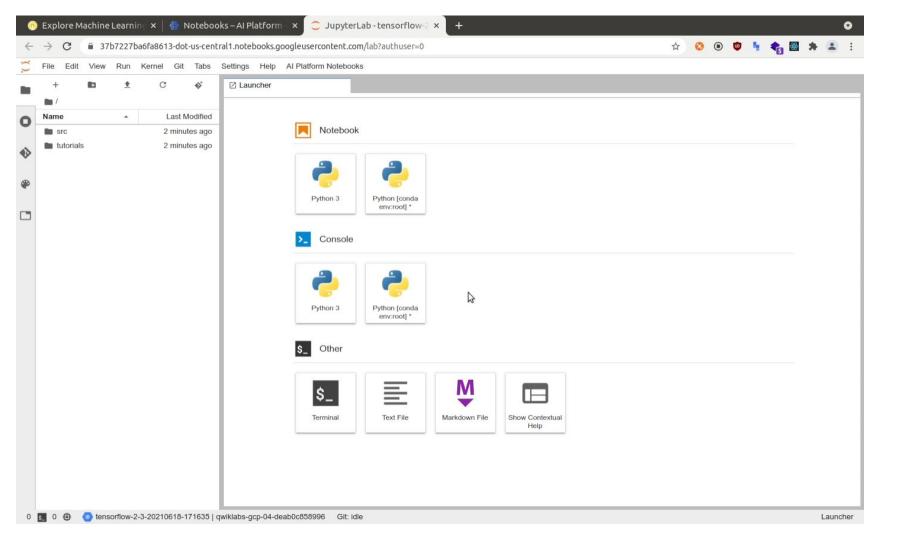
Check my progress

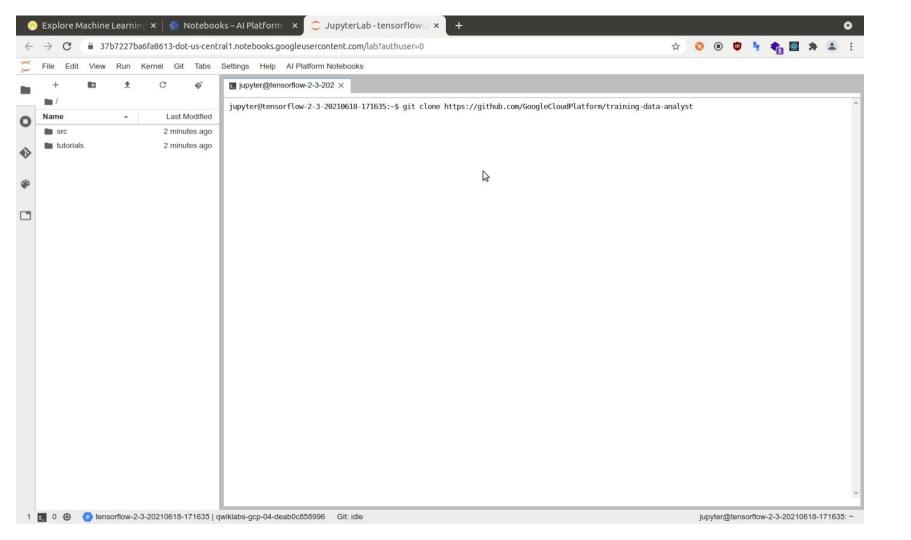
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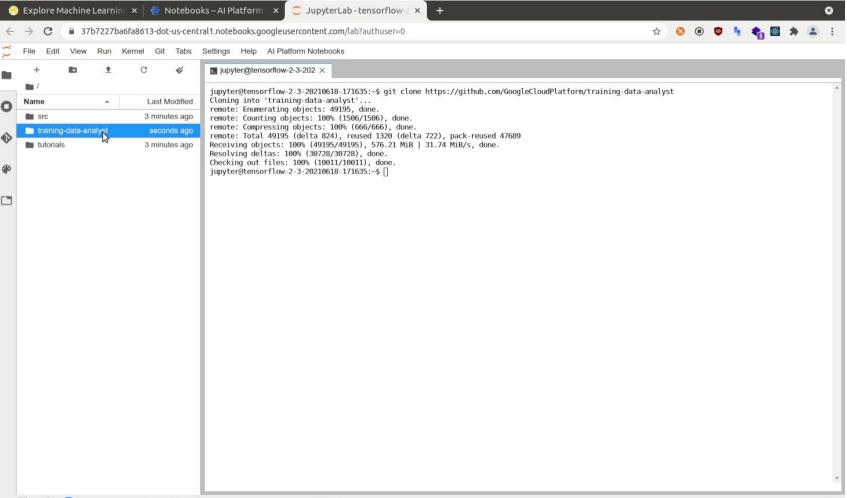
GCP Project ID

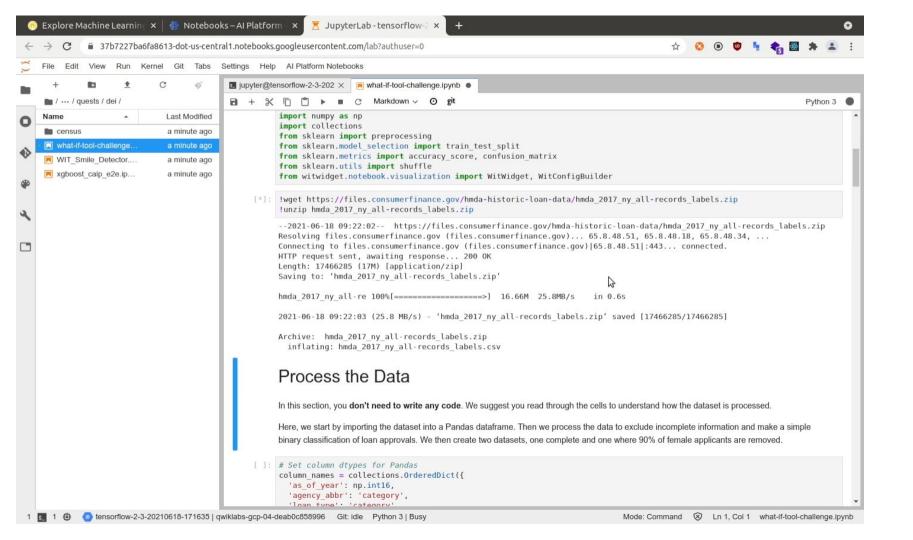
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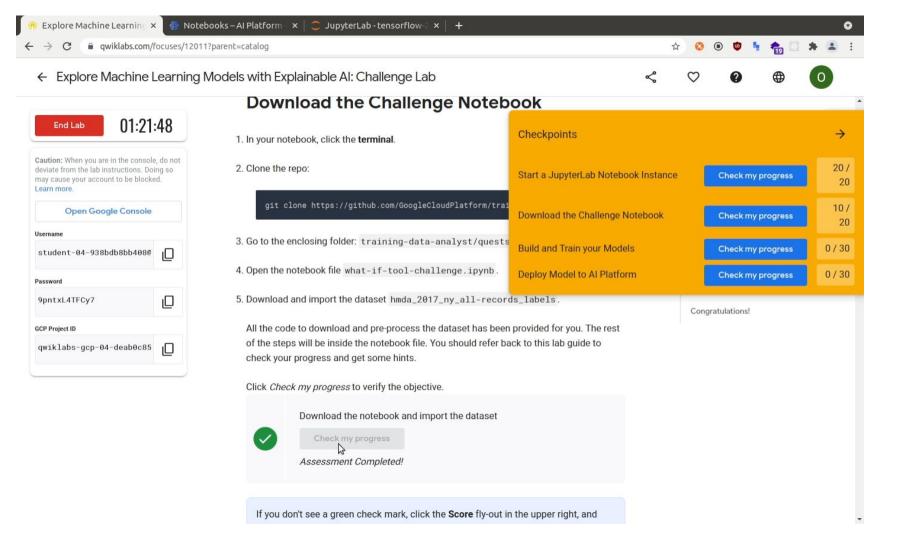


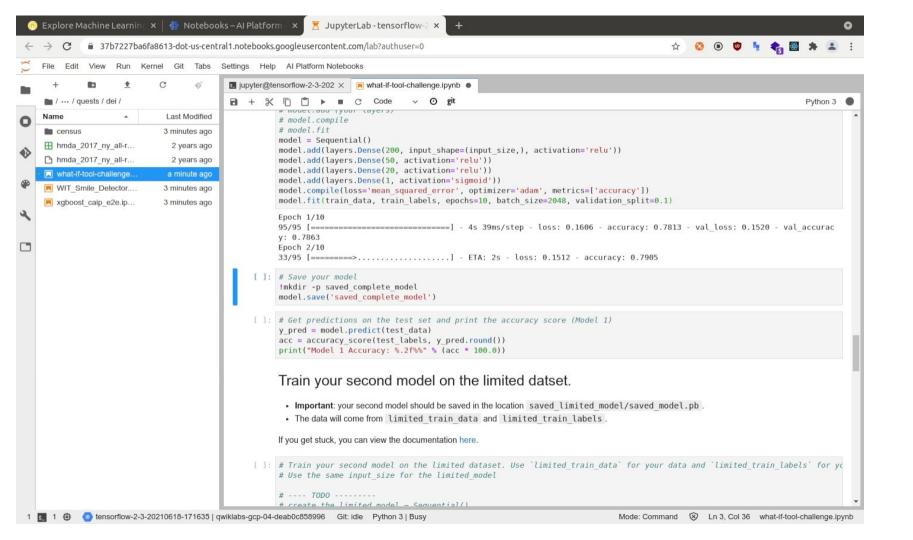


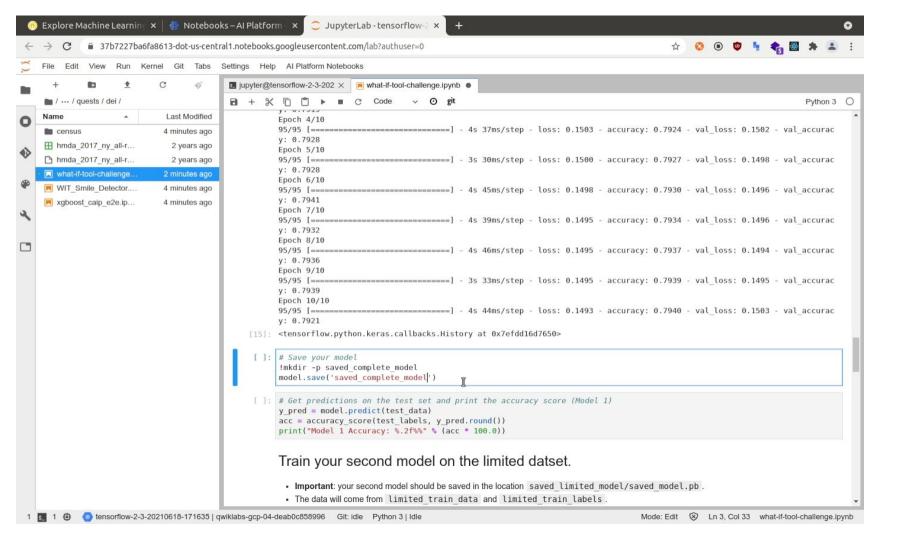


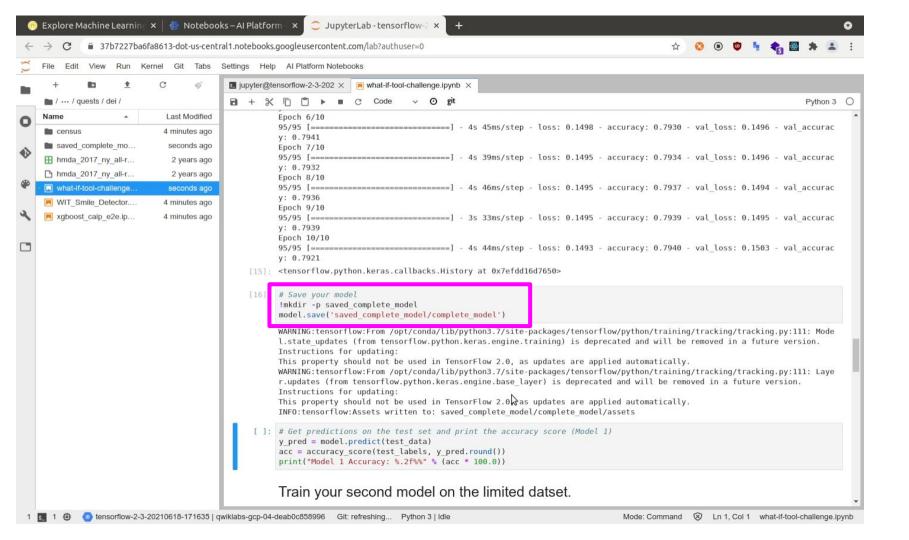


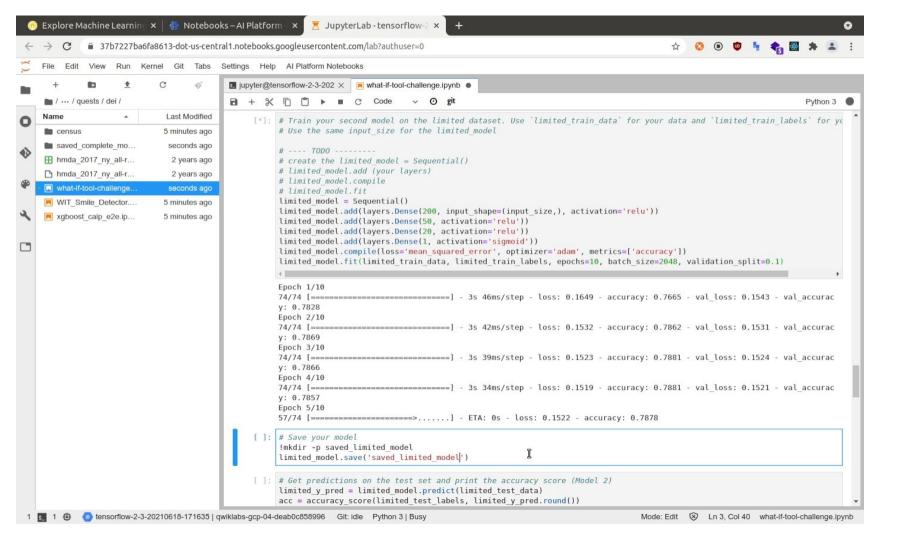


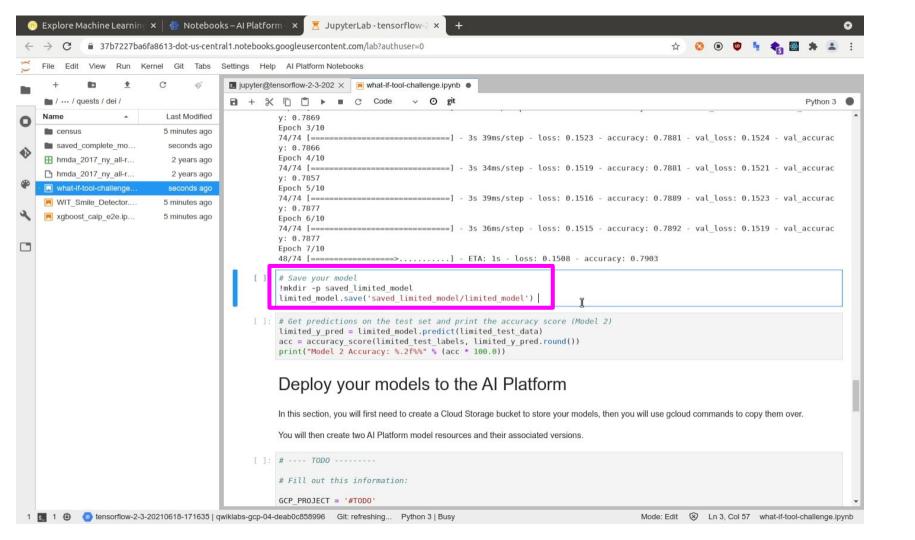


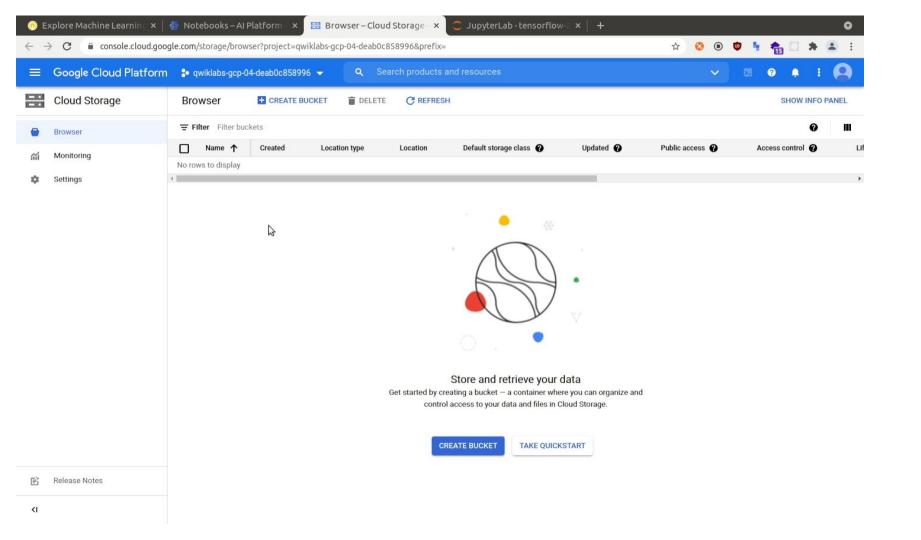


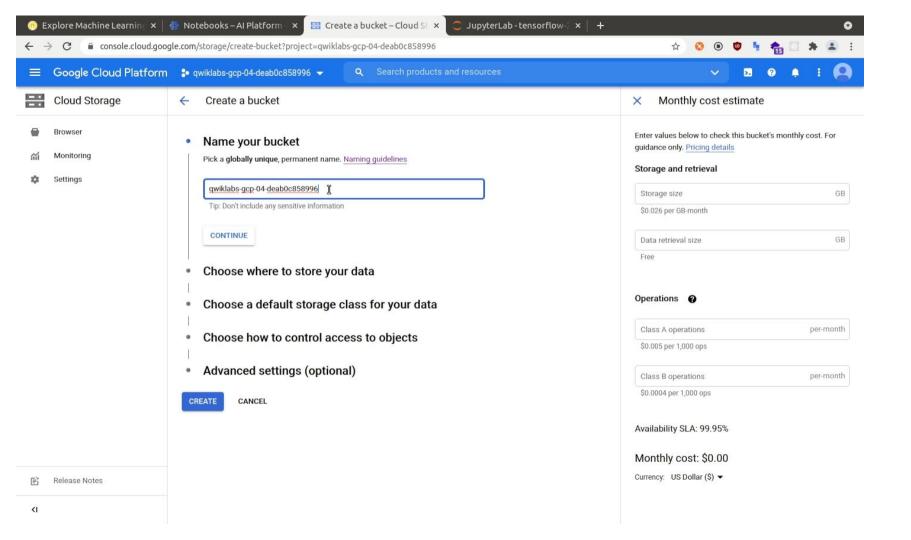


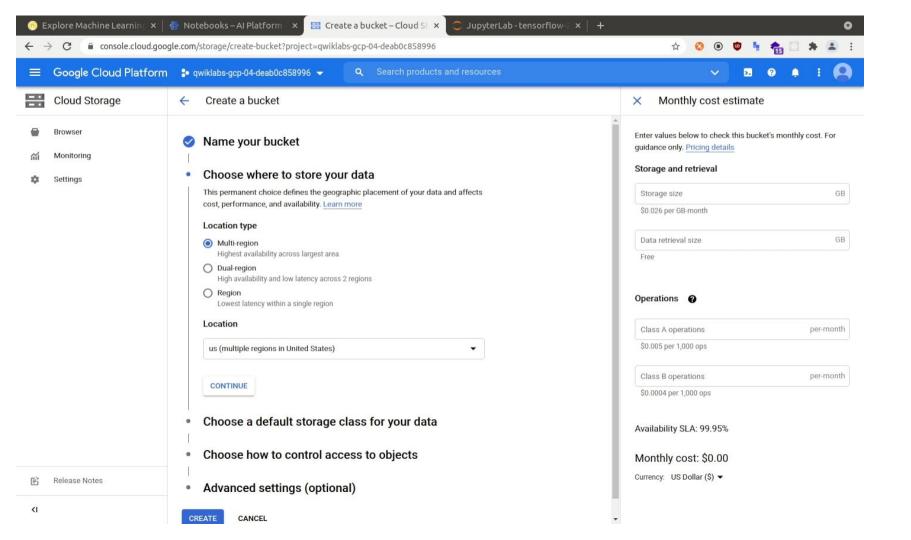


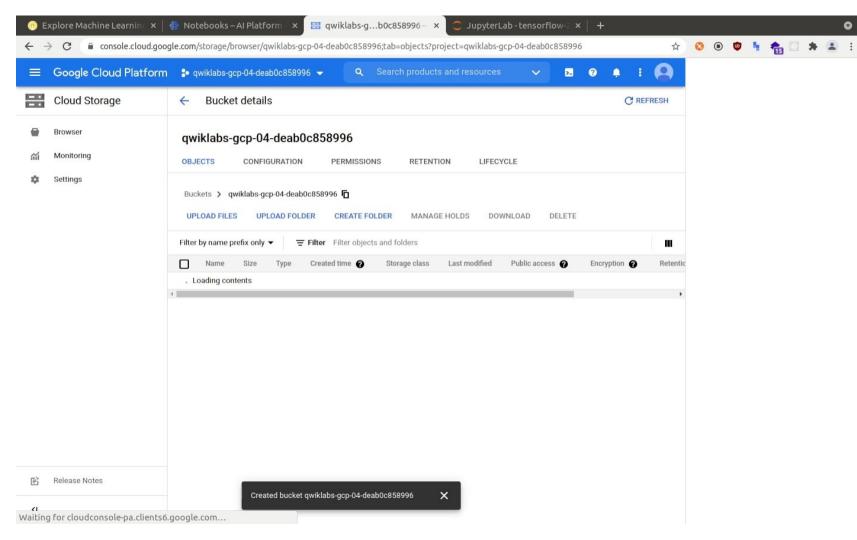


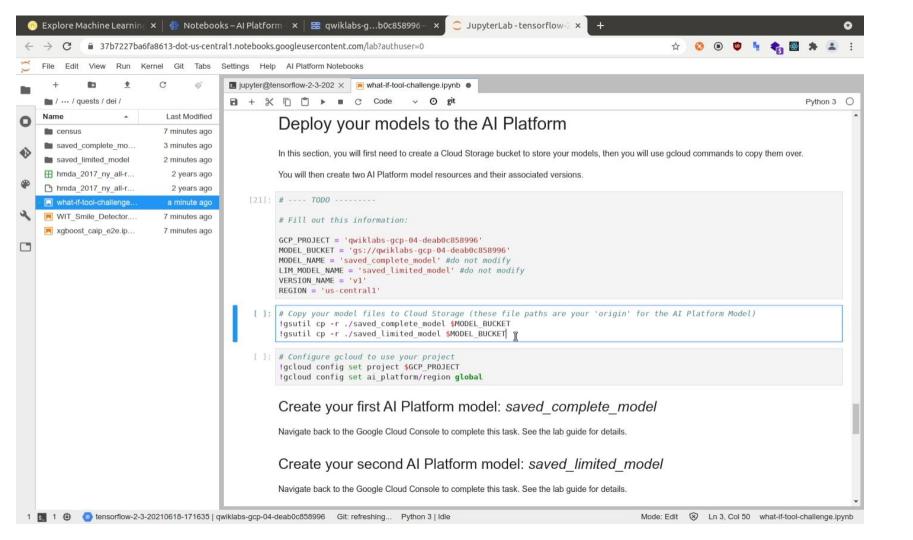


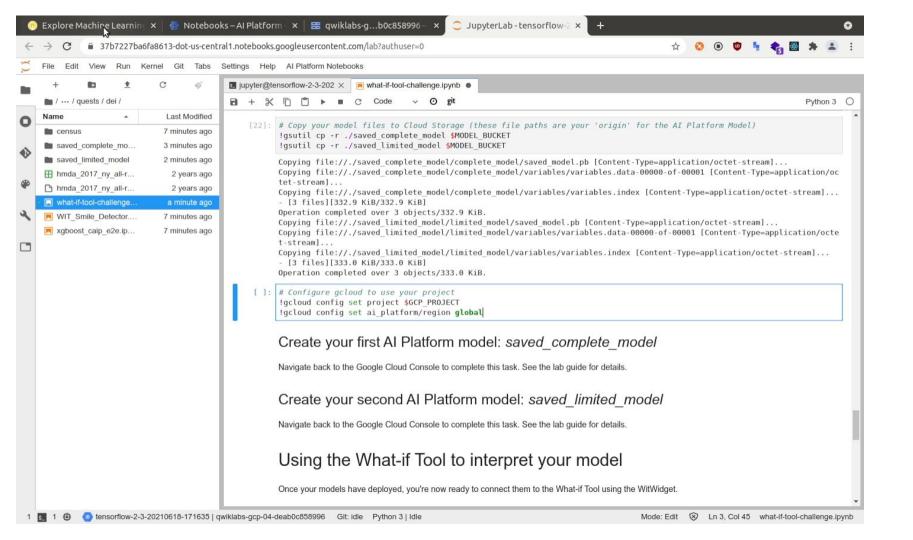


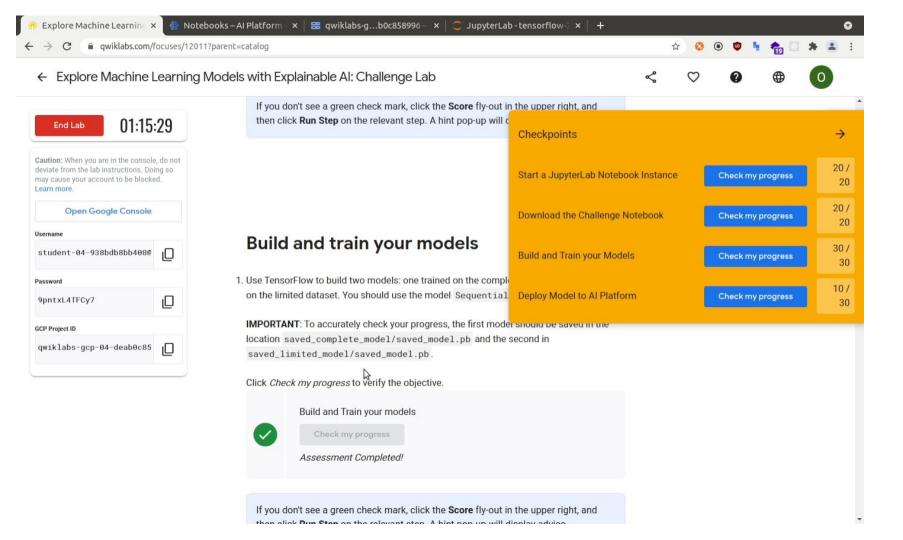


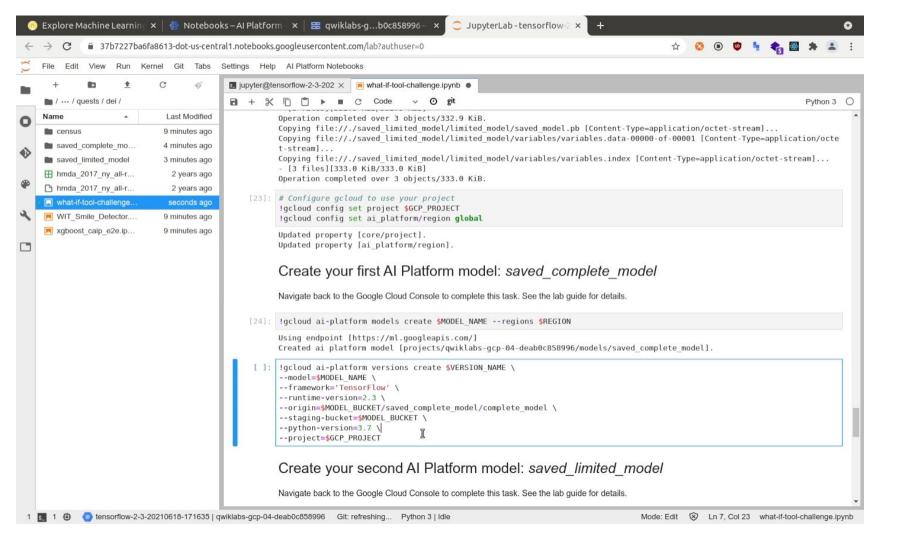


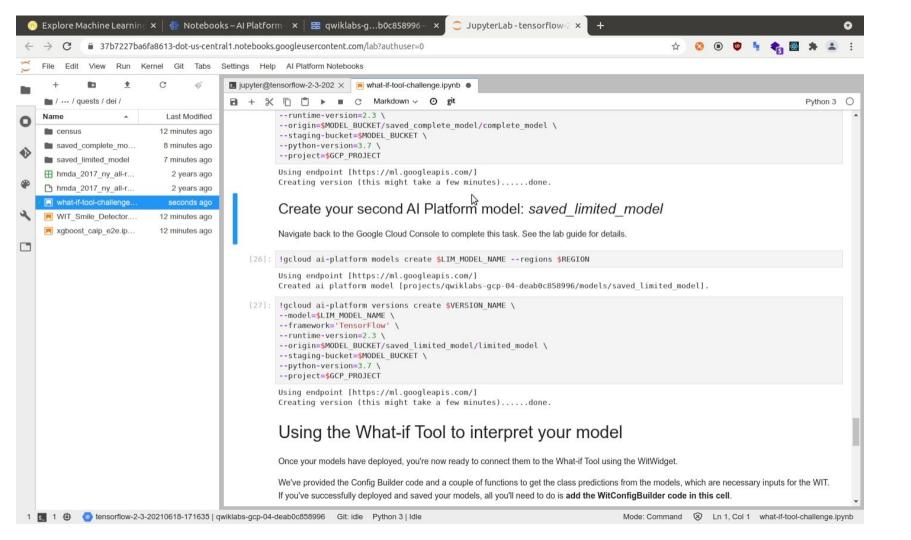


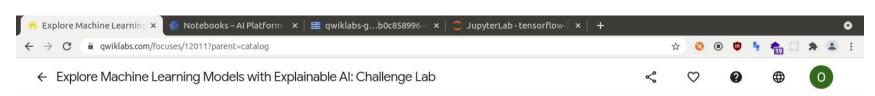


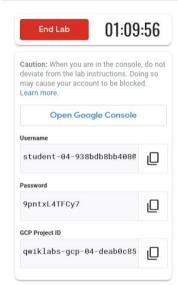










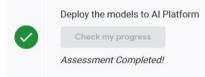


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