

High Performance Research Computing

A Resource for Research and Discovery



TEXAS A&M
UNIVERSITY.

HPRC Short Course

Introduction to Perl



DIVISION OF RESEARCH
TEXAS A & M UNIVERSITY



For Assistance...

Website:

<https://hprc.tamu.edu>

Email:

help@hprc.tamu.edu

Telephone:

(979) 845-0219

Visit us:

Henderson Hall,

Help us, help you -- *we need more info*

- Which Cluster
- NetID
- Job ID(s) if any
- Location of your job files, input/output files
- Application used & module(s) loaded if any
- Error messages
- Steps you have taken, so we can reproduce the problem

Course Material

https://hprc.tamu.edu/training/intro_perl.html

Open Terra Portal

- Go to <https://portal.hprc.tamu.edu/> and click on **Terra OnDemand Portal**
- You may be asked to login to the Central Authentication Service (CAS) with your NetID and password
- On the top menu bar, click **Clusters** and then **>_terra Shell Access**
- Login using your NetID password and Duo authentication

Clone Perl Files

- Enter the following commands, which will create the directory `/scratch/user/NetID/perl` :

```
cd $SCRATCH
git clone https://github.com/kjtamu/perl.git
cd perl
ls
```

Open Jupyter Notebook

- Return back to the previous browser tab for the Terra Portal with the title “Dashboard”.
- On the top menu, choose **Interactive Apps** and then scroll all the way down to **Jupyter Notebook**
- Set **Number of hours** to **3** and click **Launch** at bottom of dialog
- Click **perl** and then click **Intro_to_Perl.ipynb**

Upcoming Short Courses

<https://hprc.tamu.edu/training/>

Introduction to Julia	Nov 06, 1:30 pm - 4:00 pm
Introduction to Deep Learning with PyTorch	Nov 13, 10:00 am - 12:30 pm
Introduction to Deep Learning with TensorFlow	Nov 13, 1:30 pm - 4:00 pm
Code Parallelization using OpenMP	Nov 20, 10:00 am - 12:30 pm
Code Parallelization using MPI	Nov 20, 1:30 pm - 4:00 pm