Introduction to Perl

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For Assistance...
Website: https://hprc.tamu.edu
Email: help@hprc.tamu.edu
Telephone: (979) 845-0219
Visit us: Henderson 114A, Blocker 217D
(Mon-Wed) (Thu-Fri)

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 Grace Portal

- TAMU NetID users: [https://portal-grace.hprc.tamu.edu/](https://portal-grace.hprc.tamu.edu/)

Message of the Day

**IMPORTANT POLICY INFORMATION**

- Unauthorized use of HPRC resources is prohibited and subject to criminal prosecution.
- Use of HPRC resources in violation of United States export control laws and regulations is prohibited. Current HPRC staff members are US citizens and legal residents.
- Sharing HPRC account and password information is in violation of State Law. Any shared accounts will be DISABLED.
- Authorized users must also adhere to ALL policies at: [https://hprc.tamu.edu/policies](https://hprc.tamu.edu/policies)

**WARNING:** THERE ARE ONLY NIGHTLY BACKUPS OF USER HOME DIRECTORIES!!
Open Grace Portal

• Once you navigate to the portal, TAMU NetId users may be asked to login to the Central Authentication Service (CAS)

• On the top menu bar, click **Clusters** and then > _grace Shell Access
Clone Perl Files

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

```bash
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 Grace Portal with the title “Dashboard”.

• On the top menu, choose Interactive Apps and the scroll all the way down to Jupyter Notebook
Open Jupyter Notebook

- Set **Number of hours** to 3,
- **Total GB memory** to 7, and
- click **Launch** at bottom of dialog.
Open Jupyter Notebook

- Click perl and then click Intro_to_Perl.ipynb
Using Google Colab

For users without HPRC accounts, do the following:

• Go to https://colab.research.google.com

• On the top navigation bar, click the GitHub tab.

• Type kjtamu/perl on the long search line under “Enter a GitHub URL or search by organization or user”

• On the line with Intro_to_Perl.ipynb, click open icon to the far right