

HANDS-ON 4

Task	Hint
<p>Start the Terminal</p> <p>1. Create a script file 'script1' as following, change the permission to allow execute and try to execute it</p> <pre># creating a script file # # My first shell script # clear echo "Hello World" # save it as script1 # execute this script</pre>	<pre>gedit script1 chmod u+x script1 ./script1</pre>
<p>2. Create your own pbs script (named scr.pbs) for a job that should run 15 min on 1 node using all the cores, should notify you when begins and ends, the jobs name should be my-test, credits should be used from lp_hpcinfo_training project</p> <p>The commands that should be executed inside the script:</p> <p>Load the module Python/2.7.14-intel-2018a</p> <p>Check the path of python</p> <p>Go to you \$VSC_SCRATCH directory</p> <p>Print the directory and list the files in it</p> <p>Create test123.txt file</p> <p>Execute script1 in your home dir</p>	<pre>#!/bin/bash -l #PBS -l walltime=00:15:00 #PBS -l nodes=1:ppn=36 #PBS -N my-test #PBS -A lp_hpcinfo_training #PBS -m be #PBS -M my.name@kuleuven.be</pre> <pre>module load Python/2.7.14-intel-2018a</pre> <pre>which python</pre> <pre>cd \$VSC_SCRATCH</pre> <pre>pwd ls</pre> <pre>touch test123.txt cd \$VSC_HOME ./script1</pre>
<p>3. Submit your pbs script and analyze output file</p>	<pre>qsub scr.pbs</pre>