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#!/bin/sh
# To start this job : qsub example.pbs
# Job description
#PBS -N example
# Resources used : one core on one node
#PBS -l nodes=1:ppn=1
# 10 hour elapsed time
#PBS -l walltime=10:00
# give 2gb of memory for your job
# memory is for the all process in a job not per process
# vmem must be >= mem .
#PBS -l vmem=2gb,mem=2gb
# Standard error & standard output are merged in example.out
#PBS -j oe
#PBS -o example.out
# Sends a mail when the job ends
#PBS -m e

# Good idea to only load module needed by the job
module purge
# I use ifort version 15 with netcdf and openmpi
module load intel/15.0.6.233 netcdf4/4.3.3.1-ifort openmpi/1.6.5-ifort
# Use the following command to go in your working directory (default is home)
cd $PBS_O_WORKDIR
# Example for a job
a.out $filename
# Example for a Matlab job :
module load matlab/2017b
matlab -nojvm -nodisplay -r 'programme ; exit'
# Example for an IDL job :
module load idl/8.2
echo ".r programme.pro" | idl
# Example for a GRADS job :
module load grads/2.1.a2.oga.1-opengrads
grads -bc programme.gs
# Example for a Python job :
module load python/2.7-anaconda50
python programme.py

```