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Together with the OpenFOAM v2112 also the corresponding compilers and MPI packages (with which the OpenFOAM was compiled) are automatically loaded:

```
$> module list
```

returns:

Currently Loaded Modules:

1) compiler/gnu/12.1 2) mpi/openmpi/4.1 3) cae/openfoam/v2112

After initializing OpenFOAM we can use it like we would on a personal computer. However, we need to remember that a module initialized this way can only be used in the current terminal window, i.e. opening a second terminal does not mean that the modules loaded on the first terminal will be available in the second one! The same is valid for the compute nodes – before running OpenFOAM on a compute node we have to load the modules anew. In order to use a module on the computing node we need to load it using the batch job command (in blue). For example (the job-example here is not parallel):

```
////////////////////////////////////  
#!/bin/bash  
  
#SBATCH --partition dev_single  
#SBATCH --nodes=1  
#SBATCH --ntasks=1  
#SBATCH --time=00:30:00  
#SBATCH --mem=8000mb  
#SBATCH --job-name=MyFirstParallelJob  
  
module purge  
module load cae/openfoam/v2112  
source $FOAM_INIT  
  
pimpleFoam  
////////////////////////////////////
```

### 3. How to remove installed modules (in order to load others)?

To see what modules you have currently loaded (some of them are loaded automatically when you login) use the command:

```
$> module list
```

In order to remove the already loaded modules (all of them) we can use the following command:

```
$> module purge
```

To remove only one module, e.g. the module system/ssh\_wrapper/0.1 use:

```
$> module unload system/ssh_wrapper/0.1
```