

# Handling of software environments with module comand

## Listing of software environments

### How can I list all available software environments?

```
module avail or module av
```

### How can I list my software environments?

```
module list or module li
```

### How can I list a specific software environments?

```
module avail matlab or module av matlab
```

```
module avail intel or module av intel
```

### How can I get deeper information of a specific software environment?

```
module whatis matlab/v2021b
```

```
module show intel/v2019
```

```
module display comsol/v60
```

## Load/Unload of software environments

### How can I set (load) a specific software environments?

```
module load matlab/v2020b
```

```
module load intel/v2020
```

Hint: Please check with `module av matlab` for an existing environment!

### How can I unset (unload) a specific software environments?

```
module unload matlab/v2020b
```

```
module unload intel/v2020
```

Hint: Please check with `module av matlab` for an existing environment!

### How can I unload all (!) software environments in the current terminal

```
module purge
```

### It is recommended to load only the necessary software environments in an interactive terminal and in a batch job:

```
module purge; module load ansys/v2022r1
```

```
module purge; module load comsol/v60 matlab/v2020b
```

### How can I get more help to the module command?

```
module help man module
```

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