AI - Lab 1

```
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```

Check list

```
- Uniform-cost search
    - Implementation (in SOURCE/algorithms/ucs.py): Done
    - List expanded nodes (explored nodes): Done
    - List nodes on return path: Done

- Iterative deepening search
    - Implementation (in SOURCE/algorithms/ids.py): Done
    - List expanded nodes (explored nodes): Done
    - List nodes on return path: Done

- Graph-search Greedy best-first search
    - Implementation (in SOURCE/algorithms/gbfs.py): Done
    - List expanded nodes (explored nodes): Done
    - List nodes on return path: Done

- Graph-search A*
    - Implementation (in SOURCE/algorithms/aStartSearch.py): Done
    - List expanded nodes (explored nodes): Done
    - List nodes on return path: Done
```

Source structure

To execute whole program, run:

```
python3 main.py
```

This file will scan all input-files in folder `./INPUT/`, consequently implement `usc`, `ids`, `aStartSearch`, `gbfs` algorithms and write the coressponding out-files to folder `./OUTPUT/`

All algorithms are implemented in folder `SOURCE/algorithms/`