

INF201 Exercise 4

Fill out group member info and NMBU-emails.. Only one member has to upload a .ipynb and .pdf file to Canvas.

name_1: Caroline Sunniva Svortdal

name_2: Eskil Digernes

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```
In [ ]: from pathlib import Path

# 1: create function that makes list
def create_exercises(total_number, project_assignments_start):
    return [f"{i}{suffix}" for i in range(1, total_number + 1)
            for suffix in ['', 'a', 'b'] if (i < project_assignments_start and suffix == '')
            or (i >= project_assignments_start and suffix in ['a', 'b'])]

# 2: list of students
students = ["Ole", "Sarah"]

# 3: create folder function
def create_folders(exercises, students):
    for exercise in exercises:
        for i in exercise.split():
            for student in students:
                path = Path(f"projects/exercise_{i}/{student}")
                path.mkdir(parents=True, exist_ok=True)

# 4: print structure function
def print_structure():
    base_path = Path("projects")
    for folder in base_path.rglob('*'):
        print(folder)

exercises = create_exercises(total_number=4, project_assignments_start=3)
create_folders(exercises, students)
print_structure()
```

```
projects\exercise_1
projects\exercise_2
projects\exercise_3a
projects\exercise_3b
projects\exercise_4a
projects\exercise_4b
projects\exercise_1\Ole
projects\exercise_1\Sarah
projects\exercise_2\Ole
projects\exercise_2\Sarah
projects\exercise_3a\Ole
projects\exercise_3a\Sarah
projects\exercise_3b\Ole
```

projects\exercise_3b\Sarah
projects\exercise_4a\01e
projects\exercise_4a\Sarah
projects\exercise_4b\01e
projects\exercise_4b\Sarah