

# Tasks and Results

## Task 1:

Build a program to manage a university's course catalog. You want to define a base class `Course` that has the following properties: `course_code`: a string representing the course code (e.g., "CS101") `course_name`: a string representing the course name (e.g., "Introduction to Computer Science") `credit_hours`: an integer representing the credit hours for the course (e.g., 3) You also want to define two subclasses `CoreCourse` and `ElectiveCourse`, which inherit from the `Course` class. `CoreCourse` should have an additional property `required_for_major` which is a boolean representing whether the course is required for a particular major. `ElectiveCourse` should have an additional property `elective_type` which is a string representing the type of elective (e.g., "general", "technical", "liberal arts")

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\Assignment6-oops.py
CS101: Introduction to Computer Science (3 credit hours) - Required for major
ECE100: Basics of Electronics (2 credit hours) - Elective Type: Technical
Process finished with exit code 0
```

## Task 2:

Create a Python module named `employee` that contains a class `Employee` with attributes `name`, `salary` and methods `get_name()` and `get_salary()`. Write a program to use this module to create an object of the `Employee` class and display its name and salary.

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\
Employee name: Archana
Employee salary: 450000
Process finished with exit code 0
```