

Project

Course\_Management\_System

Course\_Management

.idea

.venv

Course.py

External Libraries

Scratches and Consoles

Course.py

```

1  #base class
2  class Course:
3      def __init__(self, course_code, course_name, credit_hours):
4          self.course_code = course_code
5          self.course_name = course_name
6          self.credit_hours = credit_hours
7
8
9      def display_info(self):
10         return f"Course Code: {self.course_code}, Course Name: {self.course_name}, Credit Hours: {self.credit_hours}"
11
12
13     #subclass for core course
14     class CoreCourse(Course):
15         def __init__(self, course_code, course_name, credit_hours, required_for_major):
16             super().__init__(course_code, course_name, credit_hours)
17             self.required_for_major = required_for_major
18
19         def display_info(self):
20             core_info = super().display_info()
21             return f"{core_info}, Required for Major : {self.required_for_major}"
22
23
24     #subclass for elective course
25     class ElectiveCourse(Course):
26         def __init__(self, course_code, course_name, credit_hours, elective_type):
27             super().__init__(course_code, course_name, credit_hours)
28             self.elective_type = elective_type
29
30         def display_info(self):
31             elective_info = super().display_info()
32             return f"{elective_info}, Elective Type : {self.elective_type}"
33
34
35     core_course = CoreCourse( course_code: "CS101", course_name: "Introduction to Computer Science", credit_hours: 3, required_for_major: True)
36     elective_course = ElectiveCourse( course_code: "ENG202", course_name: "Creative Writing", credit_hours: 2, elective_type: "Liberal arts")
37
38     print(core_course.display_info())
39     print(elective_course.display_info())

```

