

```
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      def display_info(self):
9          return f"Course Code: {self.course_code}, Name: {self.course_name}, Credit Hours: {self.credit_hours}"
10
11 # Subclass for Core Courses
12 class CoreCourse(Course):
13     def __init__(self, course_code, course_name, credit_hours, required_for_major):
14         super().__init__(course_code, course_name, credit_hours)
15         self.required_for_major = required_for_major
```

Run 6_OOPs

```
C:\Users\amrut\PycharmProjects\PythonProject\D42_Pythonproject\.venv\Scripts\python.exe D:\DSML\6_OOPs.py
Course Code: CS101, Name: Data Structures, Credit Hours: 3, Required for Major: True
Course Code: ART201, Name: Introduction to Painting, Credit Hours: 2, Elective Type: Liberal Arts

Process finished with exit code 0
```



