```
class Course:
   def __init__(self,course_code,course_name,credit_hours):
       self.course_code = course_code
        self.course name = course name
        self.credit_hours = credit_hours
    def display(self):
        print(f"course_code: {self.course_code}\ncourse_name:
{self.course_name}\ncredit_hours: {self.credit_hours}")
class CoreCourse(Course):
    def __init__(self, course_code, course_name, credit_hours, required_for_major):
        super().__init__(course_code, course_name, credit_hours)
        self.required_for_major = required_for_major
    def display(self):
        super().display()
        print("required_for_major:",self.required_for_major,"\n")
class ElectiveCourse(Course):
    def init (self, course code, course name, credit hours, elective type):
        super().__init__(course_code, course_name, credit_hours)
        self.elective_type = elective_type
    def display(self):
        super().display()
        print("elective_type:",self.elective_type,"\n")
CoreCourse_1= CoreCourse("CS101", "Introduction to Computer Science", 3, True)
ElectiveCourse_1 = ElectiveCourse("CS300", "Artificial Intelligence", 2, "Technical")
```

```
CoreCourse_1.display()
ElectiveCourse_1.display()
 course_code: CS101
 course_name: Introduction to Computer Science
 credit_hours: 3
 required_for_major: True
 course_code: CS300
 course_name: Artificial Intelligence
 credit_hours: 2
 elective_type: Technical
 Process finished with exit code 0
import employee
emp= employee.Employee("Ananyaa", 50000)
emp.get_name()
emp.get_salary()
# another file:employee.py
class Employee:
   def __init__(self,name,salary):
       self.name=name
       self.salary=salary
   def get_name(self):
       print("Name:",self.name)
```

```
def get_salary(self):
      print("Salary:",self.salary)
🥏 employee.py 🗵
     class Employee:
         def __init__(self_name_salary):
             self.name=name
             self.salary=salary
         def get_name(self):
             print("Name:"_uself.name)
         def get_salary(self):
             print("Salary:"_self.salary)
Name: Ananyaa
Salary: 50000
Process finished with exit code 0
```