**MINAHIL QADIR 047**

**OOP LAB task 6**

class Course:

def \_\_init\_\_(self, course\_code, course\_name):

self.course\_code = course\_code

self.course\_name = course\_name

def display\_info(self):

print(f"Course Code: {self.course\_code}, Course Name: {self.course\_name}")

class Undergraduatecourse(Course):

def \_\_init\_\_(self, course\_code, course\_name, year\_level):

super().\_\_init\_\_(course\_code, course\_name)

self.year\_level = year\_level

def additional\_info(self):

print(f"Year level for Undergraduate Course: {self.year\_level}")

class Graduatecourse(Course):

def \_\_init\_\_(self, course\_code, course\_name, research\_area):

super().\_\_init\_\_(course\_code, course\_name)

self.research\_area = research\_area

def additional\_info(self):

print(f"Research Area for Graduate Course: {self.research\_area}")

def register\_course():

course\_code = input("Enter course code:")

course\_name = input("Enter course name:")

course\_type = input("Enter course type undergraduate/graduate: ")

if course\_type == "undergraduate":

year\_level = input("Enter your year level 1, 2, 3, 4 ")

course = Undergraduatecourse(course\_code, course\_name, year\_level)

elif course\_type == "graduate":

research\_area = input("Enter research area ")

course = GraduateCourse(course\_code, course\_name, research\_area)

else:

print("Invalid course type.")

course.display\_info()

course.additional\_info()

register\_course()

**OUTPUT:**

Enter course code: 47

Enter course name: BSAI

Enter course type undergraduate/graduate: undergraduate

Enter your year level 1, 2, 3, 4 2

Course Code: 47, Course Name: BSAI

Year level for Undergraduate Course: 2

**THANKYOU😊**