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**Branch - CSE**

**Python Lab 5**

**Code**

import pickle  
  
  
class results:  
 def \_init\_(self):  
 self.t1 = 0  
 self.t2 = 0  
 self.final = 0  
  
 def acceptdata(self):  
 self.t1 = input("enter marks for t1:")  
 self.t2 = input("enter marks for t2:")  
 self.final = input("enter marks for final:")  
  
  
def write\_file():  
 f = open("Student\_Record.txt", "wb")  
 op = 'Y'  
  
 while op == 'Y':  
 MIS = int(input("Enter MIS Number : "))  
 Student\_Name = input("Enter the Name of Student: ")  
 Email\_ID = input("Enter Email\_ID: ")  
 Result1 = results()  
 Result1.acceptdata()  
 pickle.dump([MIS, Student\_Name, Email\_ID, Result1], f)  
 op = input("D0 you want to continue> (Y or N)?: ")  
  
 f.close()  
  
  
print("Entering the details of Students in the pickle file")  
write\_file()  
  
  
def read\_file():  
 f = open("Student\_Record.txt", 'rb')  
 while True:  
 try:  
 L = pickle.load(f)  
  
 print("Name of Student: ", L[1], "\t\t Email ID :",  
 L[2], "\t\t Result for t1 :", L[3].t1, "\t\t Result for t2 :", L[3].t2, "\t\t Result for final :",  
 L[3].final)  
  
 except EOFError:  
 print("/n/nCompleted reading details.../n/n")  
 break  
 f.close()  
  
  
def update\_details():  
 f1 = open("Student\_Record.txt", "rb+")  
 Student\_List = []  
 t\_code = int(input("\nEnter the MIS Number for the updation: "))  
  
 while True:  
 try:  
 L = pickle.load(f1)  
 if L[0] == t\_code:  
 result1 = int(input("Enter the correct Result for t1: "))  
 L[3].t1 = result1  
 result2 = int(input("Enter the correct Result for t2: "))  
 L[3].t2 = result2  
 result3 = int(input("Enter the correct Result for final: "))  
 L[3].final = result3  
  
 Student\_List.append(L)  
 except EOFError:  
 print("/n/nCompleted Updating details.../n/n")  
 break  
  
 f1.seek(0)  
 f1.truncate()  
  
 for i in range(len(Student\_List)):  
 pickle.dump(Student\_List[i], f1)  
 else:  
 f1.close()  
  
  
print("Update the file...\n\n")  
update\_details()  
read\_file()

**Output**



