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Roll No.: 69

Experiment No. 11:

Aim: Write a python programs to implement different File Handling operations using Pickle.

Code and Output:

```
1 import pickle5 as pickle
2 import students as s
3 cities = ["Mumbai", "Delhi", "Bengaluru", "Pune"]
4 with open('citiesdata.txt', 'wb') as fh:
5     pickle.dump(cities, fh)
6
7 pickle_off = open("citiesdata.txt", "rb")
8 emp = pickle.load(pickle_off)
9 print(emp)
10
11 n = int(input("Enter number of students:"))
12 studentList = []
13 for i in range(n):
14     name = input("Enter name of student:")
15     semester = input("Enter semester:")
16     branch = input("Enter the branch the student is enrolled in:")
17     studentList.append(s.Student(name, semester, branch))
18 with open('studentsdata.dat', 'wb') as d:
19     pickle.dump(studentList, d)
20
21 a = open("studentsdata.dat", "rb")
22 unpickled = pickle.load(a)
23 print(unpickled)
```

```
C:\Users\Students\PycharmProjects\pythonProject\.venv\Scripts\python.exe C:\Users\Students\PycharmProje
['Mumbai', 'Delhi', 'Bengaluru', 'Pune']
Enter number of students:2
Enter name of student:Atharv Wadadekar
Enter semester:IV
Enter the branch the student is enrolled in:IT
Enter name of student:Sohansingh Rajput
Enter semester:IV
Enter the branch the student is enrolled in:IT
[<students.Student object at 0x000002C55796C8C8>, <students.Student object at 0x000002C55796C808>]

Process finished with exit code 0
```

```
1 import pickle5 as pickle
2
3 print("Writing into a file")
4 file = open("text.txt", "w")
5 input1=input("Enter some text:")
6 file.write(input1)
7 file.close()
8
9 print("Reading a file")
10 file = open("text.txt", "r")
11 output = file.read()
12 print(output)
13
14 print("Appending a file")
15 file = open("text.txt", "a")
16 input2 = input("Enter some text:")
17 file.write(input2)
18 file.close()
19
20 print("Reading after appending")
21 file = open("text.txt", "r")
22 output = file.read()
23 print(output)
24
25 print("with open")
26 list1 = ["India", "New Zealand", "Australia", "England"]
27 with open("text.txt", "wb") as fh:
28     pickle.dump(list1, fh)
```

```
C:\Users\Students\PycharmProjects\pythonProject>
Writing into a file
Enter some text:a
Reading a file
a
Appending a file
Enter some text:bcd
Reading after appending
abcd
with open

Process finished with exit code 0
|
```