Assignment - 2

1) Student Management System (List - Based)

Code:

```
students = [ ]
students.append ("Amit")
students.append ("Neha")
print ("Students:", students)

students[1] = "Rahul"
print ("After Update:", students)

students.remove ("Amit")
print (After dellete:", students)

print ("Search Neha:", neha in students)
```

2) College Management System Tuple - Based

```
College = ("ABC College", "Pune", ("ECE", CSE" "MAA"))

print ("College Name:", college[0])
print ("Location:", college[1])
print ("Courses:", courses[2])
```

3:) Electric Tools Management System (Set - Based)

set 1 = {"Resistor", "Capacitor", "Diode"}
set 2 = {"Diode", "Transistor"}

print("Union:", set1 | set2)
print("Intersection:", set1 & set2)
print("Diffrence:", set1 - set2)

4) Document Organizer (Dictonary - Based)

Code:

docs = {1: "Report", 2: "Assignment"}

docs[2] = "Lab Manual"
print("After Update:", docs)

docs.pop(1)
print("After delete:", docs)

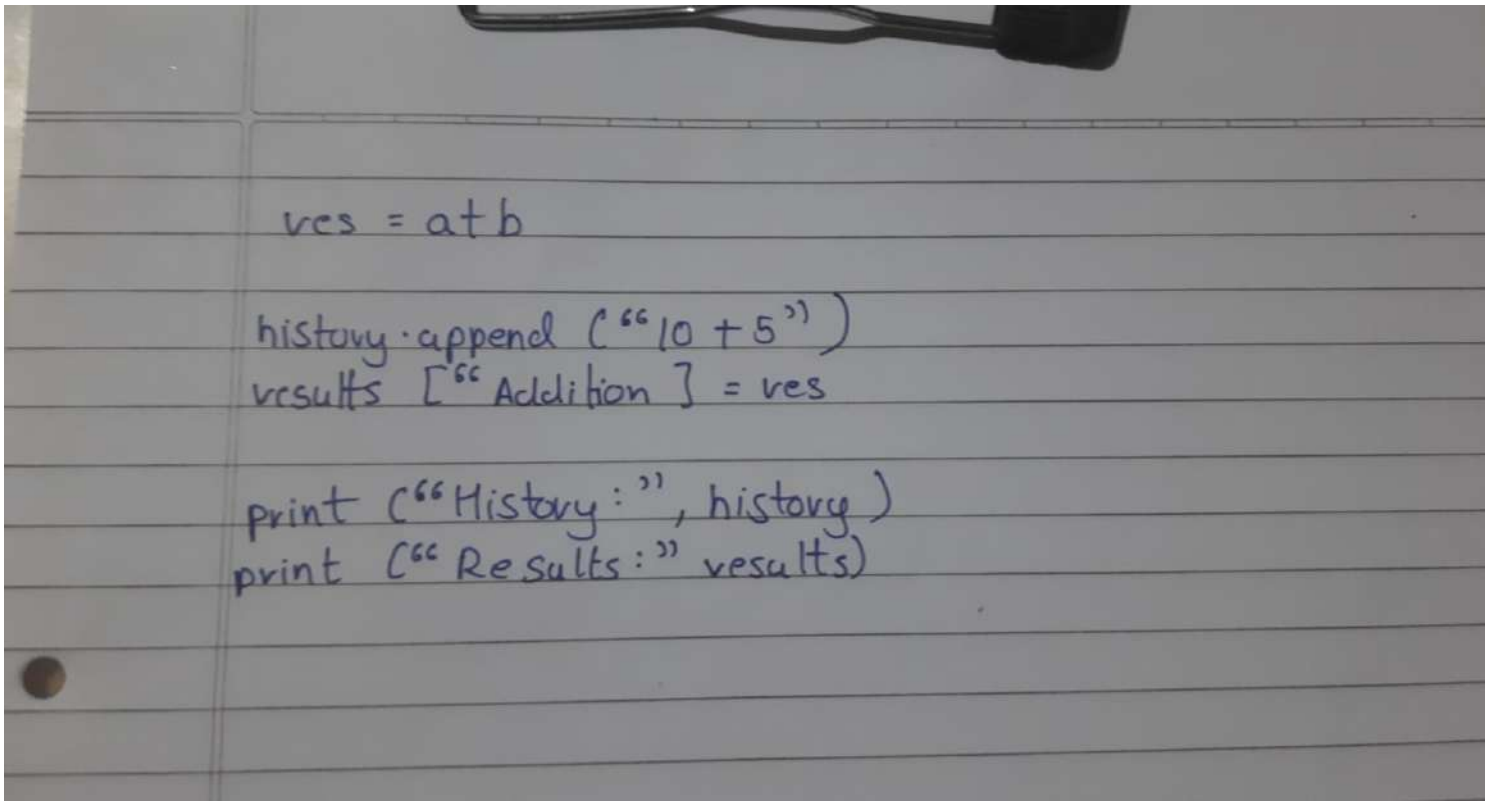
print("Search ID2:", 2 in docs)

5) Caculator Application (Using list & Dictionary

Code:

history = []
results = []

a = 10
b = 5


res = a + b
history.append ("10 + 5")
results ["Addition"] = res
print ("History:", history)
print ("Results:" results)