**LAB ASSIGNMENT-6**

**DATE: 11/03/2024**

**Q1. Make a database consisting usernames and their respective passwords.**

**Ans:**

**from pymongo import MongoClient  
client = MongoClient("mongodb://localhost:27017")  
db=client["adamas"]  
collection=db["userdetails1"]  
documents=[  
 {"Name": "Alex", "Password": "abc123"},  
 {"Name": "Alice", "Password": "def456"},  
 {"Name": "Bob", "Password": "ghi789"},  
 {"Name": "Mini", "Password": "jkl100"},  
 {"Name": "David", "Password": "mno102"}  
]  
status=collection.insert\_many(documents)  
print(status)**

**Output:**

**{**

"\_id" **:** ObjectId**(**"660405d29b9193eee8fa5c10"**),**

"Name" **:** "Alex"**,**

"Password" **:** "abc123"

**}**

**{**

"\_id" **:** ObjectId**(**"660405d29b9193eee8fa5c11"**),**

"Name" **:** "Alice"**,**

"Password" **:** "def456"

**}**

**{**

"\_id" **:** ObjectId**(**"660405d29b9193eee8fa5c12"**),**

"Name" **:** "Bob"**,**

"Password" **:** "ghi789"

**}**

**{**

"\_id" **:** ObjectId**(**"660405d29b9193eee8fa5c13"**),**

"Name" **:** "Mini"**,**

"Password" **:** "jkl100"

**}**

**{**

"\_id" **:** ObjectId**(**"660405d29b9193eee8fa5c14"**),**

"Name" **:** "David"**,**

"Password" **:** "mno102"

**}**

**Q2. Using that database make login page which will be a user input. Make a menu type page, where authentication, insertion data, all takes place at once.**

**Ans:**

**from pymongo import MongoClient  
client = MongoClient("mongodb://localhost:27017")  
db=client["adamas"]  
collection=db["userdetails1"]  
  
def user\_name():  
 username=input("Enter your username: ")  
 password=input("Enter your password: ")  
  
 if collection.find\_one({"username":username}):  
 print("you are already logged in")  
 return  
 user\_data= {"username": username,'password': password}  
 collection.insert\_one(user\_data)  
 print("Account created")  
  
def user\_login():  
 username=input("Enter your username: ")  
 password=input("Enter your password: ")  
  
 user\_data=collection.find\_one({"username":username,'password': password})  
 if user\_data:  
 print("login sucessful")  
 else:  
 print("Invalid username or password")  
def display\_menu():  
 print("1 create account")  
 print("2 login")  
 print("3 exit")  
def main():  
 while True:  
 display\_menu()  
 choice=input("Enter your choice 1,2,3: ")  
 if choice=="1":  
 user\_name()  
 elif choice=="2":  
 user\_login()  
 elif choice=="3":  
 print("exit")  
 break;  
 else:  
 print("Invalid choice")  
if \_\_name\_\_=="\_\_main\_\_":  
 main()**

**Output:**

**1 create account**

**2 login**

**3 exit**

**Enter your choice 1,2,3: 1**

**Enter your username: Ram**

**Enter your password: tef342**

**Account created**

**1 create account**

**2 login**

**3 exit**

**Enter your choice 1,2,3: 2**

**Enter your username: Mini**

**Enter your password: jkl100**

**Invalid username or password**

**1 create account**

**2 login**

**3 exit**

**Enter your choice 1,2,3: 3**

**exit**

**Process finished with exit code 0**