```python
def login(password):
    stored_password = input("enter password: ")# Predefined password
    if password == stored_password:
        return True
    else:
        print("Incorrect password.")
        return False

def write_entry():
    entry = input("Write your diary entry: ")
    with open("diary.txt", "a") as file:
        file.write(entry + "\n")

def read_entries():
    with open("diary.txt", "r") as file:
        entries = file.readlines()
        for entry in entries:
            print(entry.strip())

def main():
    password = input("Enter password: ")
    if login(password):
        while True:
            print("\n1. Write Diary Entry")
            print("2. Read Diary Entries")
            print("3. Exit")
            choice = input("Enter your choice: ")
            if choice == "1":
                write_entry()
            elif choice == "2":
                read_entries()
            elif choice == "3":
                print("Exiting program.")
                break
            else:
                print("Invalid choice.")

if __name__ == "__main__":
    main()
```