1. # Grade Checker

score = int(input("Enter the score: "))

if score >= 90:

print("Grade: A")

elif score >= 80:

print("Grade: B")

elif score >= 70:

print("Grade: C")

elif score >= 60:

print("Grade: D")

else:

print("Grade: F")

1. # Student Grades

students = {}

while True:

print("\nMenu:")

print("1. Add a new student")

print("2. Update a student's grade")

print("3. Print all student grades")

print("4. Exit")

choice = input("Enter your choice (1-4): ")

if choice == '1':

name = input("Enter student name: ")

grade = input("Enter student grade: ")

if name not in students:

students[name] = grade

print(f"{name} added.")

else:

print(f"{name} already exists.")

elif choice == '2':

name = input("Enter student name to update: ")

if name in students:

grade = input("Enter new grade: ")

students[name] = grade

print(f"{name}'s grade updated.")

else:

print(f"{name} not found.")

elif choice == '3':

if students:

for name, grade in students.items():

print(f"{name}: {grade}")

else:

print("No student records found.")

elif choice == '4':

print("Exiting...")

break

else:

print("Invalid choice. Please enter 1-4.")

1. # Write to a File

with open("sample.txt", "w") as file:

file.write("Hello, this is a sample file.\n")

file.write("Writing data to file using Python.\n")

print("Content written to sample.txt.")

1. # Read from a File

try:

with open("sample.txt", "r") as file:

content = file.read()

print("File Content:\n")

print(content)

except FileNotFoundError:

print("File not found. Please run the write operation first.")