# Grade Checker Program

# Take score input from the user

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

# Check and print the corresponding grade

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")

# Student Grades Program

# Initialize empty dictionary to store student grades

student\_grades = {}

while True:

print("\nChoose an option:")

print("1. Add a new student and grade")

print("2. Update an existing 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: ")

if name in student\_grades:

print("Student already exists. Use option 2 to update the grade.")

else:

grade = input("Enter grade: ")

student\_grades[name] = grade

print(f"{name} added with grade {grade}.")

elif choice == "2":

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

if name in student\_grades:

grade = input("Enter new grade: ")

student\_grades[name] = grade

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

else:

print("Student not found. Use option 1 to add a new student.")

elif choice == "3":

if not student\_grades:

print("No student grades available.")

else:

print("\nStudent Grades:")

for name, grade in student\_grades.items():

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

elif choice == "4":

print("Exiting the program.")

break

else:

print("Invalid choice. Please enter a number from 1 to 4.")

# Program to create a text file and write content to it

# Open a file in write mode ('w' will create the file if it doesn't exist)

file = open("sample.txt", "w")

# Content to write to the file

content = "Hello! This is a sample text written to the file.\nPython file handling is easy!"

# Write content to the file

file.write(content)

# Close the file

file.close()

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

# Open the file in read mode

file = open("sample.txt", "r")

# Read the entire content of the file

content = file.read()

# Print the content to the console

print("File Content:\n")

print(content)

# Close the file

file.close()