1. Grade Checker  
  
marks = int(input("Enter your marks: "))

if marks >= 90:

    print("Grade: A")

elif marks >= 80:

    print("Grade: B")

elif marks >= 70:

    print("Grade: C")

elif marks >= 60:

    print("Grade: D")

else:

    print("Grade: F")

A screenshot of a computer program

AI-generated content may be incorrect.

2 Student Grades

# Create an empty dictionary to store student names and grades

student\_grades = {}

while True:

    print("\nChoose an option:")

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

    print("2. Update 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.")

        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.")

    elif choice == "3":

        if not student\_grades:

            print("No student data available.")

        else:

            print("\nStudent Grades:")

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

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

    elif choice == "4":

        print("Exiting program.")

        break

    else:

        print("Invalid choice. Please select a valid option (1-4).")  
  
  
A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

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A screenshot of a computer

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3. Write to a File

# Open a file in write mode ('w')

file = open("my\_file.txt", "w")

# Write some content to the file

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

file.write("Learning file handling in Python is fun!\n")

# Close the file to save changes

file.close()

print("Content written to my\_file.txt")

A screenshot of a computer

AI-generated content may be incorrect.

4. Read from a File

# Open the file in read mode ('r')

file = open("my\_file.txt", "r")

# Read the content of the file

content = file.read()

# Print the content

print("File content:")

print(content)

# Close the file

file.close()

A screenshot of a computer screen

AI-generated content may be incorrect.