Python and BASH

1. Grade Checker

Ans:

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

if score >= 90:

grade = "A"

elif score >= 80:

grade = "B"

elif score >= 70:

grade = "C"

elif score >= 60:

grade = "D"

else:

grade = "F"

print(f" grade : {grade}")

1. Student Grades

Ans:

grades = {}

while True:

print("\nOptions:")

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: ")

grade = input("Enter grade: ")

grades[name] = grade

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

elif choice == "2":

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

if name in grades:

grade = input("Enter new grade: ")

grades[name] = grade

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

else:

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

elif choice == "3":

print("\nStudent Grades:")

for name, grade in grades.items():

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

elif choice == "4":

print("exit ")

break

else:

print("Invalid option.")

1. Write to a File

Ans:

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

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

file.close()

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

1. Read from a File

Ans:

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

content = file.read()

print(content)

file.close()