Python and Bash assignments solutions :

1 Grade Checker

Take a score as input and print the grade based on the following:

90+ : "A"

80-89 : "B"

70-79 : "C"

60-69 : "D"

Below 60 : "F"

here we used a basic if else statement to carry out marks and all.

SOLUTIONS:

score = int(input("Enter your 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")

EXPLANATION:

*Used if-else statements to check marks and print grade.*

2. Student Grades

Create a dictionary where the keys are student names and the values are their grades. Allow the user to:

Add a new student and grade.

Update an existing student’s grade.

Print all student grades.

SOLUTION:

grades = {"Alice": "A", "Bob": "B"}

choice = input("Do you want to Add or Update a grade? ").lower()

if choice == "add":

name = input("Enter student name: ")

grade = input("Enter grade: ")

grades[name] = grade

elif choice == "update":

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

if name in grades:

grade = input("Enter new grade: ")

grades[name] = grade

else:

print("Student not found.")

print("All Student Grades:", grades)

EXPLANATION:

Used Dictionary to store student names and grades. Used input and if-else for add/update.

3.Write to a File

Write a program to create a text file and write some content to it.

Using file functions like write and open.

SOLUTION:

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

file.write("Hello, this is a test file.\nPython is amazing!")

print("Content written to example.txt")

EXPLANATION:

*Used open() in write mode and write() to add content.*

*4.*Read from a File

We used open in read mode and file.read to read and print to display.

*SOLUTION:*

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

*content = file.read()*

*print("File Content:\n", content)*

*EXPLANATION:*

*Used open() in read mode and read() to display file contents.*

*Python ,CopyEdit*

*Github:*[*saiesutar2709/Python\_bash\_assignments-*](https://github.com/saiesutar2709/Python_bash_assignments-)