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"

score = int(input())

if(score >= 90):

print("A")

elif(score<=89 and score >=80):

print("B")

elif(score<=79 and score>=70):

print("C")

elif(score<=69 and score>=60 ):

print("D")

else:

print("F")

Explanation:

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

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.

studentData={}

print("Enter type of operation to be performed: 1.Add a studed 2.Update students grade 3.Print all studens")

option = input()

if(option=="1"):

name = input("Enter name of the student")

grade = input("Enter grade of the student")

studentData[name]=grade

elif(option=="2"):

name = input("Enter name of the student to update")

if(name in studentData):

grade = input("Enter grade of the student")

studentData[name] = grade

else:

print("Student not found")

elif(option=="3"):

for name,grade in studentData.items():

print(name,grade)

else:

print("Invalid option")

Explanation:

Used dictionary and basic operations. Using if else:

3.Write to a File

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

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

file.write("Hello world\n")

file.close()

Explanation:

Using file functions like write and open.

4. Read from a File

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

print(file.read())

Explanation:

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

Google colab link https://colab.research.google.com/drive/138VAHo1pNQsuYc-g7lFl7zCmyUJc9sIB?usp=drive\_link