**Answers of Python & Bash Assignment**

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.

**print("--------------------------------\n")**

**print("Answer to Question 1: Grade Checker")**

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

**if score >= 90:**

**print("You received an A Grade.")**

**elif score >= 80:**

**print("You received a B Grade.")**

**elif score >= 70:**

**print("You received a C Grade.")**

**elif score >= 60:**

**print("You received a D Grade.")**

**else:**

**print("You received an F 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.

Used dictionary and basic operations. Using if else:

**print("\n")**

**print("--------------------------------\n")**

**print("Answer to Question 2: Student Grades")**

**students\_grades = {**

**"Alice": 95,**

**"Bob": 85,**

**"Charlie": 75,**

**"David": 65,**

**"Eve": 55**

**}**

**students\_grades["Frank"] = 89**

**students\_grades["Charlie"] = 78**

**print("Student Grades:")**

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

**print(f"{student}: {grade}")**

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.

**print("\n")**

**print("--------------------------------\n")**

**print("Answer to Question 3: Write to a File")**

**with open("student\_grades.txt", "w") as file:**

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

**file.write(f"{student}: {grade}\n")**

**print("Student grades have been written to 'student\_grades.txt'.")**

4. Read from a File

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

**print("\n")**

**print("--------------------------------\n")**

**print("Answer to Question 4: Read from a File")**

**with open("student\_grades.txt", "r") as file:**

**content = file.read()**

**print(content)**

**print("--------------------------------\n")**

**Submission Guidelines -:** Attach Screenshots or command along with explanation and submit in doc(google doc or microsoft doc) format or share github link.

**GitHub Link:** [**https://github.com/tejaskaher999/tutedude.git**](https://github.com/tejaskaher999/tutedude.git)