

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/tejaskaheer999/tutedude.git>