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.
->

```
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("Your grade is:", 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.

->

```
students = {}

while True:
    print("\n1. Add Student")
    print("2. Update Grade")
    print("3. Display All")
    print("4. Exit")

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

    if choice == 1:
        name = input("Enter student name: ")
        grade = input("Enter grade: ")
        students[name] = grade
        print(f"{name} added successfully!")

    elif choice == 2:
        name = input("Enter student name to update: ")
        if name in students:
            grade = input("Enter new grade: ")
            students[name] = grade
            print(f"{name}'s grade updated to {grade}")
        else:
            print("Student not found!")

    elif choice == 3:
        print("\nAll Students and Grades:")
        for name, grade in students.items():
            print(f"{name}: {grade}")

    elif choice == 4:
        print("Exiting program...")
```

```
        break
    else:
        print("Invalid choice! Try again.")
```

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.
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```
file = open("example.txt", "w")
file.write("Hello, this is a sample text written to a file.\n")
file.write("Python makes file handling easy!")
file.close()

print("Data written successfully to example.txt")
```

4. Read from a File
We used open in read mode and file.read to read and print to display.

->

```
file = open("example.txt", "r")
content = file.read()
file.close()

print("File Content:\n")
print(content)
```