ASSIGNMENT :- 2

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ASSIGNMENT ON PYTHON

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.

Code:-

```
       score = int(input("Enter score of the student"))


if(score >= 90 ):
    print("your grade is A")
elif(score >=80):
    print("your grade is B")
elif(score >= 70):
    print("your grade is c")
elif(score >= 60):
    print("your grade is D")
else:
    print("Your Grade is F")
```

```
your grade is c
PS C:\Users\student\Desktop\basic> & C:/Python314/python.exe c:/Users/student/Desktop/basic/assign2.py
Enter score of the student80
your grade is B
PS C:\Users\student\Desktop\basic>
```

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

Code:-

```
student_grades = {
    "anuj": "A",
    "sarika": "B"
}

# Add
name = input("Enter new student name: ")
grade = input("Enter grade: ")
student_grades[name] = grade

# Update
update_name = input("Enter student name to update: ")

if update_name in student_grades:
    new_grade = input("Enter new grade: ")
    student_grades[update_name] = new_grade
    print("Grade updated successfully!")
else:
    print("Student not found!")

print("\nStudent Grades:")
for name, grade in student_grades.items():
    print(name, ":", grade)
```

```
Enter new student name: joel
Enter grade: A
Enter student name to update: anuj
Enter new grade: A
Grade updated successfully!

Student Grades:
anuj : A
sarika : B
joel : A
```

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.

```
file = open("sample.txt", "w")
file.write("Hello, this is my file.\n")
file.write("We are learning file handling.")
file.close()

print("File created and content written successfully!")
```

```
PS C:\Users\student\Desktop\basic> & C:/Python314/python.exe c:/Users/student/Desktop/basic/as.py
File created and content written successfully!
```

sample.txt

```
1   Hello, this is my file.
2   We are learning file handling.
```

4. Read from a File

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

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

```
Hello, this is my file.
We are learning file handling.
PS C:\Users\student\Desktop\basic>
```