

1st Python Task Assignment

Code:

#First task

```
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)
```

OUTPUT:

```
PS C:\Users\naiaks\Music\Linux-Basics> & C:/Users/naiaks/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/naiaks/Music/Linux-Basics/1st Task Assignment.py"
Enter your score: 50
Your grade is: F
PS C:\Users\naiaks\Music\Linux-Basics> █
```

2nd Python Task Assignment

Code:

```
grades = {}

while True:
    print("\n1. Type '1' to Add/Update Student Grade")
    print("2. Press 'Any Key' Other than '1' to 'Exit' to see all stored data results in dictionary")
    entry=str(input("\nEnter Choice: ").strip())
    if entry=="1":
        name = str(input("\nEnter student name: ").strip())
        while name=="":
            print("'Name' input cannot be empty")
            name = str(input("\nEnter student name: ").strip())
        for key in grades.keys():
            if name.lower() in key.lower():
                temp=grades[key]
                print(f"\n'{name}', is already present in data")
                print("\n 1. Type '1' if you want to 'skip' this entry \n 2. Type '2' if you want to update the 'Grades'")
                Choice = str(input("\nEnter Your Choice: ").strip())
                if Choice=="2":
                    grade = str(input("\nEnter student grade: ").strip())
                    while grade=="":
                        print("Grade input cannot be empty")
                        grade = str(input("\nEnter student grade: ").strip())
                    grades[key]=grade
                    print(f"\nupdated.... '{name}'s' grade Value '{temp}' replaced with the latest input Grade'{grade}'")
                    break

                else:
                    print(f"\nThe 'Grade' input entry has been skipped.....")
                    break
            else:
                grade = str(input("\nEnter student grade: ").strip())
                while grade=="":
                    print("'Grade' input cannot be empty")
                    grade = str(input("\nEnter student grade: ").strip())
                grades[name]=grade

        else:
```

break

```
for student, grade in grades.items():  
    print(f"{student}: {grade}")
```

OUTPUT:

```
PS C:\Users\naiks\Music\Linux-Basics> & C:/Users/naiks/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/naiks/Music/Linux-Basics/2nd Task Assignment.py"  
1. Type '1' to Add/Update Student Grade  
2. Press 'Any Key' Other than '1' to 'Exit' to see all stored data results in dictionary  
Enter Choice: 1  
Enter student name: Savy  
Enter student grade: A  
1. Type '1' to Add/Update Student Grade  
2. Press 'Any Key' Other than '1' to 'Exit' to see all stored data results in dictionary  
Enter Choice: 1  
Enter student name:  
'Name' input cannot be empty  
Enter student name: Prady  
Enter student grade: B  
1. Type '1' to Add/Update Student Grade  
2. Press 'Any Key' Other than '1' to 'Exit' to see all stored data results in dictionary  
Enter Choice: 1  
Enter student name: SAVV  
'SAVV', is already present in data  
1. Type '1' if you want to 'skip' this entry  
2. Type '2' if you want to update the 'Grades'  
Enter Your Choice: 2  
Enter student grade:  
Grade input cannot be empty  
Enter student grade: C  
updated.... 'SAVV's' grade Value 'A' replaced with the latest input Grade 'C'  
1. Type '1' to Add/Update Student Grade  
2. Press 'Any Key' Other than '1' to 'Exit' to see all stored data results in dictionary  
Enter Choice: 1  
Enter student name: savv  
'savv', is already present in data  
1. Type '1' if you want to 'skip' this entry  
2. Type '2' if you want to update the 'Grades'  
Enter Your Choice: 1  
The 'Grade' input entry has been skipped.....  
1. Type '1' to Add/Update Student Grade  
2. Press 'Any Key' Other than '1' to 'Exit' to see all stored data results in dictionary  
Enter Choice:  
Savy: C  
Prady: B  
PS C:\Users\naiks\Music\Linux-Basics> |
```

3rd Python Task Assignment

Code:

```
file = open("output.txt", "w")

file.write("This is some sample content written to the file. \n moving to the next line")

file.close()

print("Content written to file.")
```

OUTPUT:

```
PS C:\Users\naiaks\Music\Linux-Basics> & C:/Users/naiaks/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/naiaks/Music/Linux-Basics/3rd Task Assignment Python.py"
Content written to file.
```

4th Python Task Assignment

Code:

```
file1=open("output.txt", "r")

content = file1.read()

print(f"File content: '{content}'")
```

OUTPUT:

```
File content: 'This is some sample content written to the file.
moving to the next line'
```