

GitHub Link:

<https://github.com/captain-penguin/Python-Program/blob/5bc7276a687878b8862628ed886a7fed79a8f44d/Python%20All%20Task%20Assignment.docx>

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