GitHub Link:

https://github.com/captain-penguin/Python-Program/blob/c1d6ae3200c02242f5bf7e034413676d5a301494/Python%20All%20Task%20Assignment.pdf

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 Assign
ment.py"
Enter your score: 50
Your grade is: F
PS C:\Users\naiks\Music\Linux-Basics>
```

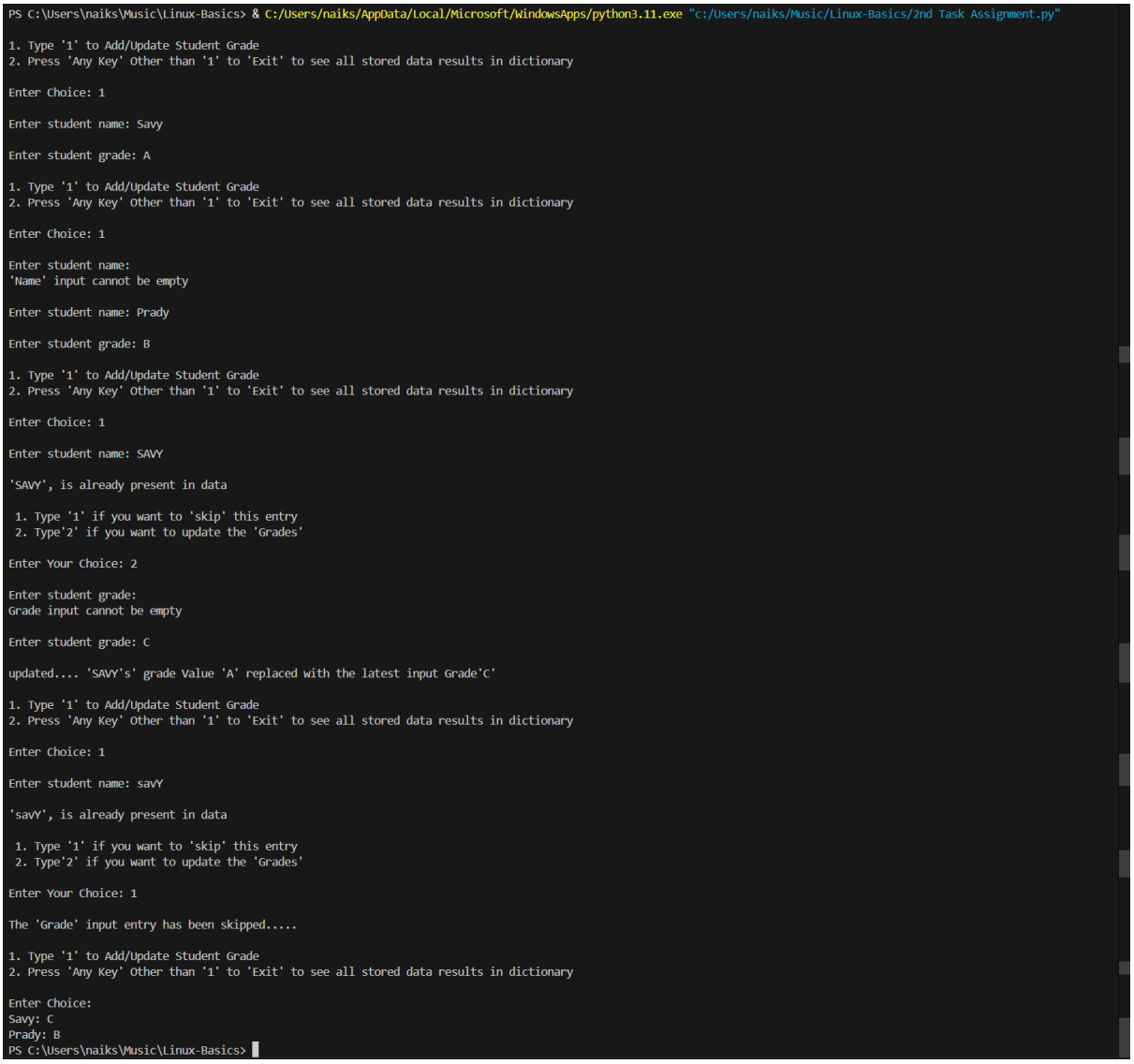
2nd Python Task Assignment

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
'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:



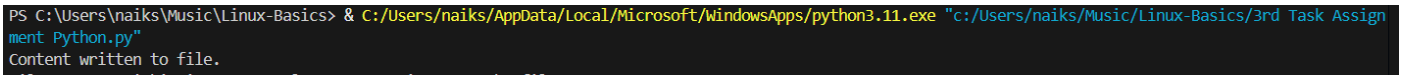
```
PS C:\Users\naiks\Music\Linux-Basics> & C:/Users/naiks/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/naiks/Music/Linux-Basics/2nd Task Assignment.py"

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: SAVY

'SAVY', 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.... 'SAVY'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: savY

'savY', 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:



4th Python Task Assignment

Code:

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

content = file1.read()

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

OUTPUT: