1. Grade Checker

Take a score as input and print the grade based on the following:

90+ : "A"

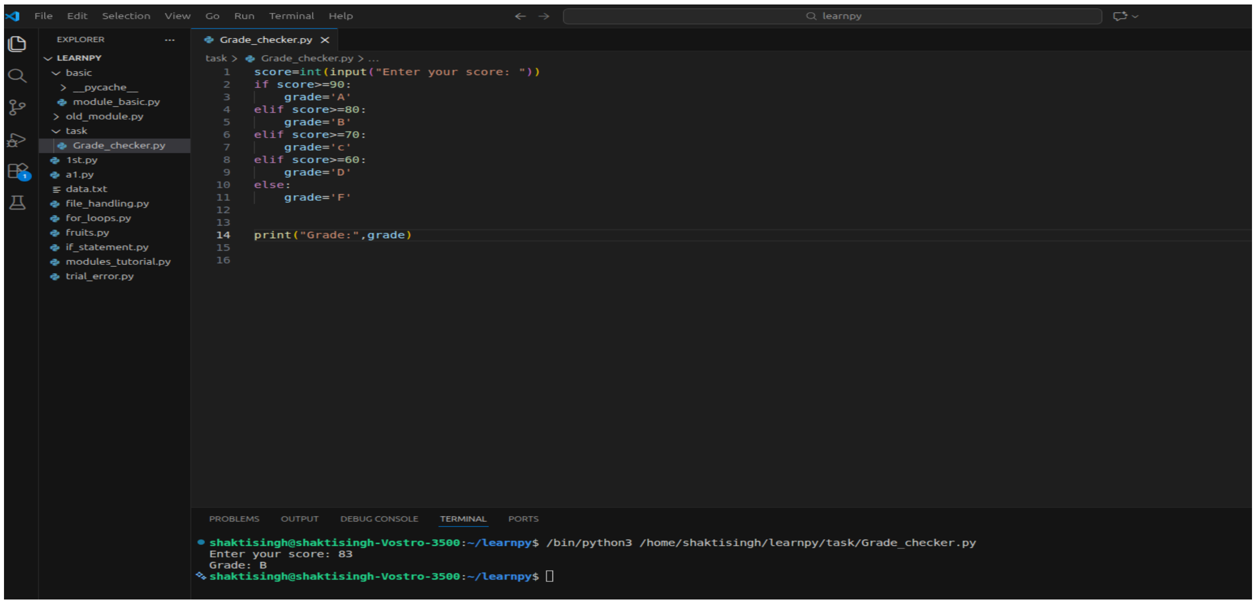
80-89 : "B"

70-79 : "C"

60-69 : "D"

Below 60 : "F"

here we used a basic if else statement to carry out marks and all.



```python
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("Grade:",grade)
```

```
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ /bin/python3 /home/shaktisingh/learnpy/task/Grade_checker.py
Enter your score: 83
Grade: B
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$
```

2 Student Grades

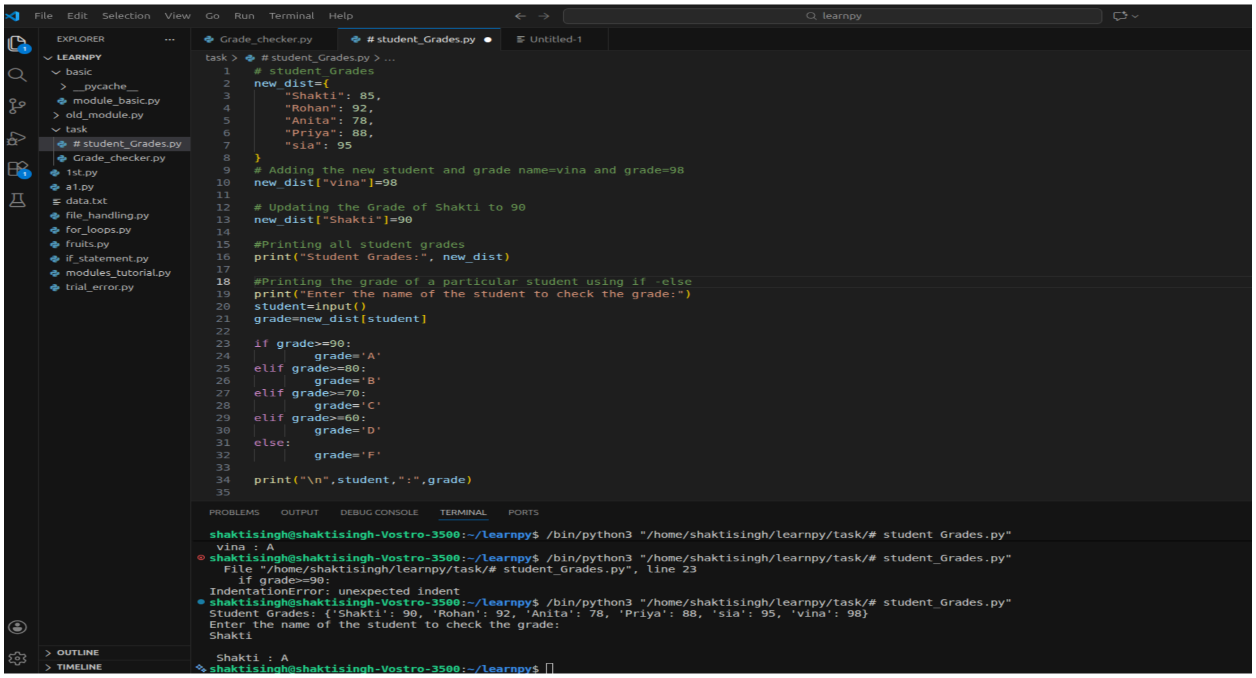
Create a dictionary where the keys are student names and the values are their grades. Allow the user to:

Add a new student and grade.

Update an existing student’s grade.

Print all student grades.

Used dictionary and basic operations. Using if else:



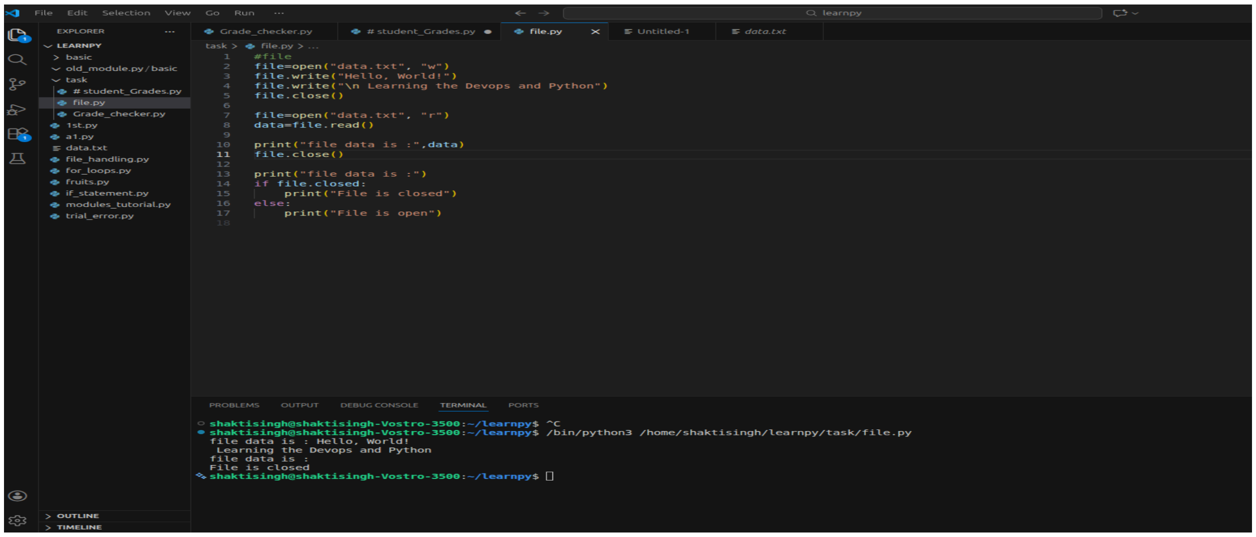
```python
# student_Grades
new_dist={
    "Shakti": 85,
    "Rohan": 92,
    "Anita": 78,
    "Priya": 88,
    "sia": 95
}
# Adding the new student and grade name=vina and grade=98
new_dist["vina"]=98

# Updating the Grade of Shakti to 90
new_dist["Shakti"]=90

#Printing all student grades
print("Student Grades:", new_dist)

#Printing the grade of a particular student using if -else
print("Enter the name of the student to check the grade:")
student=input()
grade=new_dist[student]

if grade>=90:
        grade='A'
elif grade>=80:
        grade='B'
elif grade>=70:
        grade='C'
elif grade>=60:
        grade='D'
else:
        grade='F'

print("\n",student,":",grade)

```

```
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ /bin/python3 "/home/shaktisingh/learnpy/task/# student Grades.py"
 vina : A
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ /bin/python3 "/home/shaktisingh/learnpy/task/# student_Grades.py"
  File "/home/shaktisingh/learnpy/task/# student_Grades.py", line 23
    if grade>=90:
IndentationError: unexpected indent
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ /bin/python3 "/home/shaktisingh/learnpy/task/# student_Grades.py"
Student Grades: {'Shakti': 90, 'Rohan': 92, 'Anita': 78, 'Priya': 88, 'sia': 95, 'vina': 98}
Enter the name of the student to check the grade:
Shakti

 Shakti : A
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$
```

3.Write to a File

Write a program to create a text file and write some content to it.

Using file function like write and open.

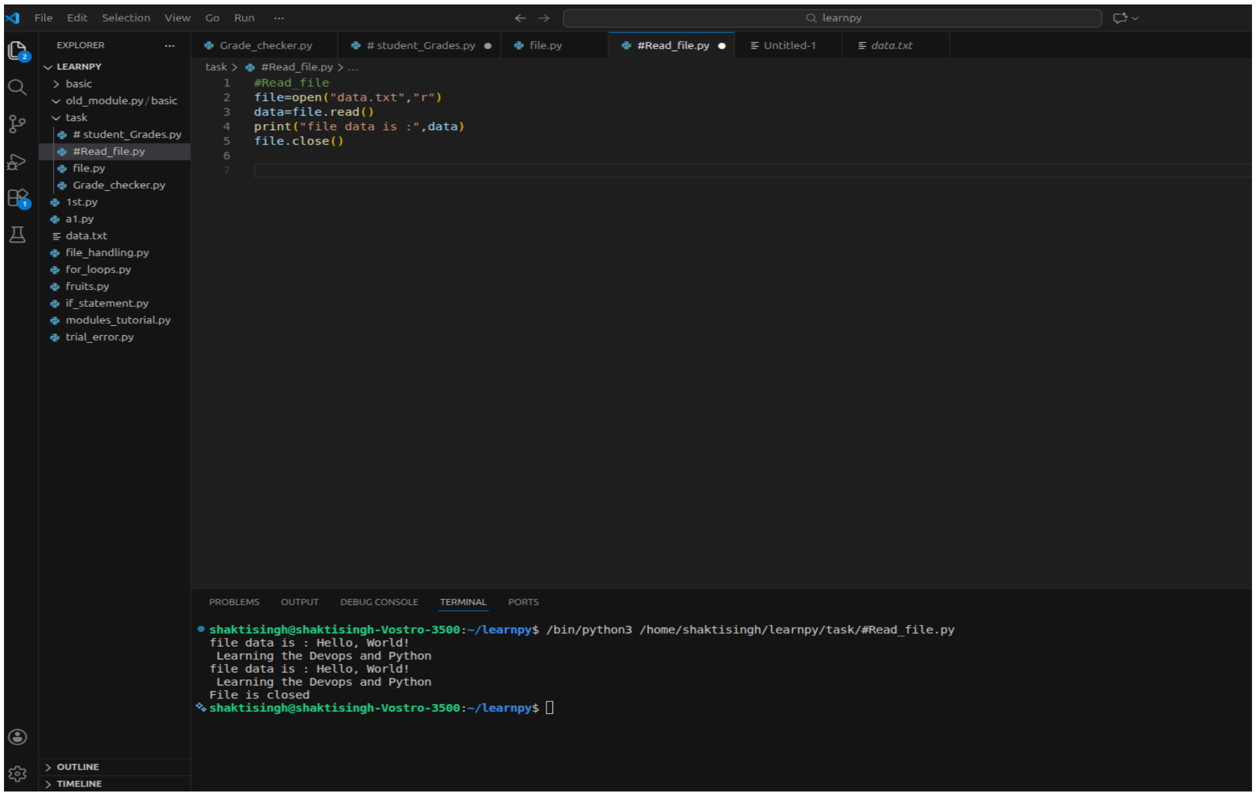


```python
#file
file=open("data.txt", "w")
file.write("Hello, World!")
file.write("\n Learning the Devops and Python")
file.close()

file=open("data.txt", "r")
data=file.read()

print("file data is :",data)
file.close()

print("file data is :")
if file.closed:
    print("File is closed")
else:
    print("File is open")
```

```
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ ^C
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ /bin/python3 /home/shaktisingh/learnpy/task/file.py
file data is : Hello, World!
 Learning the Devops and Python
file data is :
File is closed
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$
```

4. Read from a File

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



```python
#Read_file
file=open("data.txt","r")
data=file.read()
print("file data is :",data)
file.close()
```

```
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$ /bin/python3 /home/shaktisingh/learnpy/task/#Read_file.py
file data is : Hello, World!
 Learning the Devops and Python
file data is : Hello, World!
 Learning the Devops and Python
File is closed
shaktisingh@shaktisingh-Vostro-3500:~/learnpy$
```