

Tugas Algoritma & Struktur Data

TUGAS – READ & WRITE FILE PYTHON

NANDANG DURYAT – 312310233 (TI.23.C4)

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Pertemuan ke 7

Tugas – Read & Write File Python

IDE, Console & Debugger : VSCode

Operating System : Windows 10 pro

Read & Write File Python

```
# Menulis File.
file1 = open("myfile.txt","w")
L = ["This is Delhi \n","This is Paris \n","This is London \n"]

# \n is Ahir kalimat
file1.write("Hello \n")
file1.writelines(L)
file1.close() #to change file access modes

file1 = open("myfile.txt","r+")

print("Output of Read function is ")
print(file1.read())
print()

# Membuka Handle File

file1.seek(0)

print( "Output of Readline function is ")
print(file1.readline())
print()

file1.seek(0)

#menunjukkan perbedaan antara read dan readline
print("Output of Read(9) function is ")
print(file1.read(9))
print()

file1.seek(0)

print("Output of Readline(9) function is ")
print(file1.readline(9))

#menunjukkan perbedaan antara read dan readline
# readlines function
print("Output of Readlines function is ")
print(file1.readlines())
print()
file1.close()

#=====

# Program Python Append
# Append vs write mode
file1 = open("myfile.txt","w")
L = ["This is Delhi \n","This is Paris \n","This is London \n"]
```

```
file1.writelines(L)
file1.close()

# Append-adds at last
file1 = open("myfile.txt","a")#append mode
file1.write("Today \n")
file1.close()

file1 = open("myfile.txt","r")
print("Output of Readlines after appending")
print(file1.readlines())
print()
file1.close()

# Write-Overwrites
file1 = open("myfile.txt","w")#write mode
file1.write("Tomorrow \n")
file1.close()

file1 = open("myfile.txt","r")
print("Output of Readlines after writing")
print(file1.readlines())
print()
file1.close()
```

Code Python File 1

```
1. # Membuka file "myfile_f1.txt" dalam mode 'w' (write)
2. file1 = open("myfile_f1.txt", "w")
3.
4. # Membuat sebuah daftar (list) yang berisi tiga kalimat dengan karakter
   newline di akhirnya
5. L = ["This is Delhi \n", "This is Paris \n", "This is London \n"]
6.
7. # Menulis string "Hello" ke dalam file, diikuti dengan karakter newline
8. file1.write("Hello \n")
9.
10. # Menulis semua elemen dalam daftar L ke dalam file
11. file1.writelines(L)
12.
13. # Menutup file setelah selesai menulis (untuk mengubah mode akses file)
14. file1.close()
15.
16. # Membuka kembali file "myfile_f1.txt" dalam mode 'r+' (read and write)
17. file1 = open("myfile_f1.txt", "r+")
18.
19. # Membaca dan mencetak seluruh isi file ke layar
20. print("Output of Read function is ")
21. print(file1.read())
22. print()
23.
24. # Menggeser kursor baca ke awal file
25. file1.seek(0)
26.
27. # Membaca dan mencetak satu baris pertama dari file
28. print("Output of Readline function is ")
29. print(file1.readline())
30. print()
31.
32. # Menggeser kursor baca ke awal file
33. file1.seek(0)
34.
35. # Menunjukkan perbedaan antara read dan readline
36. print("Output of Read(9) function is ")
37. print(file1.read(9))
38. print()
39.
40. # Menggeser kursor baca ke awal file
41. file1.seek(0)
42.
```

```

43. # Membaca dan mencetak 9 karakter pertama dari file
44. print("Output of Readline(9) function is ")
45. print(file1.readline(9))
46.
47. # Menggeser kursor baca ke awal file
48. file1.seek(0)
49.
50. # Menunjukkan perbedaan antara read dan readline
51. # Menggunakan readlines function untuk membaca dan mencetak seluruh isi
   file sebagai daftar baris
52. print("Output of Readlines function is ")
53. print(file1.readlines())
54. print()
55.
56. # Menutup file setelah selesai membaca dan menulis
57. file1.close()

```

Output Console

```

PS D:\Kuliah\UPB> python -u "d:\Kuliah\UPB\Algoritma Dan Struktur Data\Pertemuan 7\
Output of Read function is
Hello
This is Delhi
This is Paris
This is London

Output of Readline function is
Hello

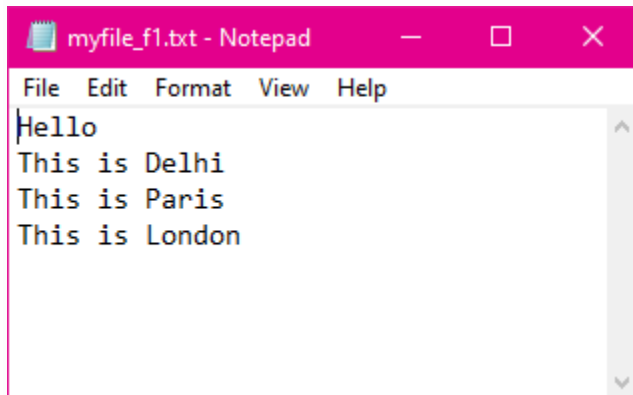
Output of Read(9) function is
Hello
Th

Output of Readline(9) function is
Hello

Output of Readlines function is
['Hello \n', 'This is Delhi \n', 'This is Paris \n', 'This is London \n']

```

Output Text File



A screenshot of a Notepad window titled "myfile_f1.txt - Notepad". The window has a menu bar with "File", "Edit", "Format", "View", and "Help". The text area contains the following lines:

```
Hello  
This is Delhi  
This is Paris  
This is London
```

Code Python File 2

```
1. # Program Python Append
2. # Append vs write mode
3.
4. # Nama file yang akan digunakan
5. nama_file = "myfile_f2.txt"
6.
7. # Membuka file dalam mode 'w' (write) dan menulis beberapa baris teks ke
   dalamnya
8. file1 = open(nama_file, "w")
9. L = ["This is Delhi \n", "This is Paris \n", "This is London \n"]
10. file1.writelines(L)
11. file1.close()
12.
13. # Membuka file dalam mode 'a' (append) dan menambahkan teks di akhir file
14. file1 = open(nama_file, "a") # mode tambahan
15. file1.write("Today \n")
16. file1.close()
17.
18. # Membuka file dalam mode 'r' (read) dan mencetak seluruh isi file
19. file1 = open(nama_file, "r")
20. print("Output of Readlines after appending")
21. print(file1.readlines())
22. print()
23. file1.close()
24.
25. # Membuka file dalam mode 'w' (write) dan menulis teks baru, menggantikan
   isi file sebelumnya
26. file1 = open(nama_file, "w") # mode penulisan
27. file1.write("Tomorrow \n")
28. file1.close()
29.
30. # Membuka file dalam mode 'r' (read) dan mencetak seluruh isi file setelah
   penulisan
31. file1 = open(nama_file, "r")
32. print("Output of Readlines after writing")
33. print(file1.readlines())
34. print()
35. file1.close()
```


Output Console 2

```
18 # Membuka file dalam mode 'r' (read) dan mencetak seluruh isi file
```

OUTPUT TERMINAL PORTS GITLENS COMMENTS DEBUG CONSOLE PROBLEMS

- PS D:\Kuliah\UPB> python -u "d:\Kuliah\UPB\Algoritma Dan Struktur Data\Pertemuan 7\T
Output of Readlines after appending
['This is Delhi \n', 'This is Paris \n', 'This is London \n', 'Today \n']

Output of Readlines after writing
['Tomorrow \n']

Output Text File 2

