# File Handling Questions

1. Write a Python program to create a file and write multiple lines into it.

File = open(‘textfile.txt’,’w’)as file

File.write(“hello python” )

File.write(“hello python” )

File.write(“hello python” )

File.write(“hello python” )

1. Write a program to read the first n lines of a file.

n = 1

File = open(‘sample.txt’ ,’r’)as file :

for i in range(n):

print(file.readline().strip())

1. Write a program to append content to an existing file without overwriting it.

File = open('sample.txt’,’a’)as file:

file.write("This is an appended line.\n")

1. How do you check whether a file exists using the os module?

Import os

if os.path.exist(‘sample.txt’):

print(“file exists”)

else:

print(file doesnot exists)

1. Write a program to copy the contents of one file into another file.

with open("sample.txt", "r") as src, open("copy.txt", "w") as dest:

for line in src:

dest.write(line)

1. Write a Python script to read a file and count:  
    - Total lines

- Total words

- Total characters

lines = words = chars = 0

with open("sample.txt", "r") as file:

for line in file:

lines += 1

words += len(line.split())

chars += len(line)

print("Lines:", lines)

print("Words:", words)

print("Characters:", chars)

1. Write a program to merge the contents of two text files into a third file.

with open("file1.txt", "r") as f1, open("file2.txt", "r") as f2,open("merged.txt", "w") as merged:

merged.write(f1.read())

merged.write(f2.read())

1. Write a Python program to read a file and display only unique lines (remove duplicates).

F1 = open(‘sample.txt’,’r’) as file:

unique\_lines = set(file.readlines())

for line in unique\_lines:

print(line.strip())

1. Write a program that reads a file and prints only the lines that contain a specific keyword.

Key = “lines”

F2 = open(‘sample.txt’,’r’) as file:

For line in file:

If key in line:

Print(line.strip())

1. Write a program to read the last n lines of a file.

n = 0

with open("sample.txt", "r") as file:

lines = file.readlines()

for line in lines[-n:]:

print(line.strip())

1. Write a program to count the frequency of each word in a file.

with open("word\_frequency.txt", "w") as file:

file.write("python is easy to learn. \n")

file.write("python is powerful and easy \n")

file.write("python is fun to learn \n")

file.write("python is high level language! \n")

word\_count = {}

with open("word\_frequency.txt", "r") as file:

for line in file:

words = line.strip().split()

for word in words:

word = word.strip(",.?!")

word\_count[word] = word\_count.get(word,0) + 1

print("word frequency in the file")

for word, count in word\_count.items():

print(f"{word}: {count}")

1. Write a program to write a list of strings into a file, each string on a new line.

lines = ["Apple", "Banana", "Cherry"]

with open("fruits.txt", "w") as file:

for item in lines:

file.write(item + "\n")