

How to write text within file?

Python provides the following functions to write text inside file

1. write()
2. writelines()
3. print()

write(s)

Write the string s to the stream and return the number of characters written.

Example:

```
import sys
def main():
    try:
        f=open("d:\\file1.txt","w")
        c=f.write("Python is a programming language")
        print(f'the number of characters written {c}')
        f.close()
    except OSError:
        t=sys.exc_info()
        print(t[1])

main()
```

Output:

```
the number of characters written 32
>>>
```

Example:

```
import sys
def main():
    try:
        f=open("student.txt","w")
        while True:
            rno=input("enter rollno")
            name=input("enter name")
            course=input("enter course")
            print(rno,file=f)
            print(name,file=f)
            print(course,file=f)
            ans=input("Add another student?")
```

```

        if ans=="no":
            break
    f.close()
except OSError:
    t=sys.exc_info()
    print(t[1])
main()

```

Output:

If the file location is not given, the file is created inside current working directory. The directory where the program is saved is called current working directory. “student.txt” file is saved inside current working directory

writelines(*lines*)

Write a list of lines to the stream. Line separators are not added, so it is usual for each of the lines provided to have a line separator at the end.

Example:

```

def main():
    names_list=["naresh\n","suresh\n","kiran\n","kishore\n"]
    try:
        f=open("names.txt","a")
        f.writelines(names_list)
    except OSError as o:
        print(o)
    f.close()

main()

```

Output:

Open “names.txt” file created inside folder current working folder

Reading text file

In order to read content of the file, the file must be opened in “r” mode
File object provides the following methods read

1. read()
2. readline()

