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| --- | --- |
| Text file | Binary file |
| Human readable characters, which can be opened by any text editor. | Binary files are made up of non-human readable characters and symbols, which require specific programs to access its contents. |

Question – 1 : Ans

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| --- | --- |
| Readline | Readlines |
| Reads a single line from a file and returns it as a string. | Reads all lines in a file and returns them as a list of strings. . |

|  |  |
| --- | --- |
| Write() | Writelines |
| Write a string to a file | Write a list of strings to a file |

Question -2 : ANS

Theory. Read from text book

Question – 3 : Ans

a) a text file “example.txt” in both read and write mode

file\_object = open(“example.txt”,”r+”)

b) a binary file “bfile.dat” in write mode

file\_object = open(“bfile.dat”,”wb+”)

c) a text file “try.txt” in append and read mode

file\_object = open (“try.txt”,”a+”)

d) a binary file “btry.dat” in read only mode.

file\_object = open(“btry.txt”,”rb”)

Question – 4 : Ans

1. Data loss, corrupted files, or memory leaks.
2. File corruption may occur, Memory allocated to file still stay.
3. No, error message will not be flashed?

Question – 5 : Ans

a.

The file Practice.txt will be opened in read mode and read 10 bytes, but it won't be closed because the close function not called.

b.

Opened in read mode. Read full contents of file. File closed once controls come out of **with** clause.

Question – 6 : Ans

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fileobject = open("hello.txt", "a")

fileobject.write("Welcome my class\n")

fileobject.write("It is a fun place\n")

fileobject.write("You will learn and play\n")

fileobject.close()

Question – 7 : Ans

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fileobject = open("hello.txt", "r")

str = fileobject.readline()

while str:

    print(str)

    str = fileobject.readline()

fileobject.close()

Write mode overwrites a file if it already exists, while Append mode adds content if it already exists

Question – 8 : Ans

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fileobject=open("empfile.txt","w")

print("Enter END to stop the process" )

while True:

    str=input("Enter a string/sentence  : ")

    if (str.lower() == "end"):

        break

    fileobject.write(str + "\n")

fileobject.close()

fileobject = open("empfile.txt", "r")

str = fileobject.readline()

while str:

    if (str[0].isupper()):

         print(str)

    str = fileobject.readline()

fileobject.close()

1. Theory.

Read from text book

Question – 10 : Ans

import pickle

print("WORKING WITH BINARY FILES")

bfile=open("item.dat","ab")

recno=1

print ("Enter Items")

print()

#taking data from user and dumping in the file as list object

while True:

    print("RECORD No.", recno)

    ino=int(input("\tItem no : "))

    iname=input("\tItem Name : ")

    iquantity=int(input("\tQuantity: "))

    iprice=float(input("\tPrice : "))

    amount=iquantity\*iprice

    print("\tTOTAL AMOUNT : ", amount)

    idata=[ino,iname,iquantity,iprice,amount]

    pickle.dump(idata,bfile)

    ans=input("Do you wish to enter more records (y/n)? ")

    recno=recno+1

    if ans.lower()=='n':

        print("Record entry OVER ")

        print()

        break

bfile.close()

import pickle

print("Now reading the employee records from the file")

print()

readrec=1

try:

    with open("item.dat","rb") as bfile:

        while True:

            itemdata=pickle.load(bfile)

            print("Record Number : ",readrec)

            print("\t\tItem No:", itemdata[0])

            print("\t\tItem Name:",itemdata[1])

            print("\t\tQuantity:",itemdata[2])

            print("\t\tPrice per item:", itemdata[3])

            print("\t\tAmount:",itemdata[4])

            readrec=readrec+1

except EOFError:

   pass