



Class: XII Comp. Sci.	Department: Computer Science	Date of submission: 20/12/2021
Worksheet No: 8	Topic: File Handling – CSV Files	Note:

Section A

Fill in the blanks

[1] A _____ is a file format which stores records separated by comma.

.CSV

[2] One row of CSV file can be considered as _____ in terms of database.

record

[3] The CSV files can be operated by _____ and _____ software.

Text Editor, Spreadsheet or Notepad, MS Excel

[4] The writerow() function is a part of _____ module.

CSV

[5] A _____ function allows to write a single record into each row in CSV file.

writerow()

[6] The _____ parameter of csv.reader() function is used to set a specific delimiter like a single quote or double quote or space or any other character.

dialect

[7] A _____ is a parameter of csv.reader() function that accepts the keyword arguments.

****fmtparams**

[8] When you read csv file using csv.reader() function it returns the values in _____ object.

nested list

[9] A _____ parameter is used to quote all fields of csv files.

quoting

[10] You can specify a quote character using _____ through writer function.

quotechar

[11] The _____ parameter instructs writer objects to only quote those fields which contain special characters such as *delimiter*, *quotechar* or any of the characters in *lineterminator*.

csv.QUOTE_MINIMAL

[12] To avoid quote fields in csv.writer() function, use _____ parameter.

csv.QUOTE_NONE

[13] If you want to change a default delimiter of csv file, you can specify _____ parameter.

delimiter

[14] CSV module allows to write multiple rows using _____ function.

writerrows()

[15] _____ instances or objects return by the writer function.

writer()

Section B

True/False – CSV in Python class 12

[1] Each row read from the csv file is returned as a list of strings.

True

[2] You can import csv module functions in following manner: from csv import writerow, reader

True

[3] The **csv.QUOTE_NONNUMERIC** is used to quotes all kind of data.

False

[4] When **csv.QUOTE_NONE** is used with writer objects you have to specify the *escapechar* option parameter to *writerow()* function.

True

[5] You cannot change the by default comma as a value separator.

False

[6] The *quotechar* function must be given any type of character to separate values.

True

[7] The default line terminator is `\n` in csv file.

True

[8] The *write row* function creates header row in csv file by default.

False

[9] You cannot insert multiple rows in csv file using python csv module.

False

[10] In csv file, user can insert text values and date values with single quote like MySQL.

True

Section C

MCQs/One word Answer Questions – CSV in Python class 12

1. Expand: **CSV**
 - Comma Separated Value
2. Which of the following module is required to import to work with CSV file?
 1. File
 2. **CSV**
 3. pandas
 4. numpy
3. Which of the following is not a function of csv module?
 0. **readline()**
 1. writerow()
 2. reader()
 3. writer()
4. The writer() function has how many mandatory parameters?
 0. **1**
 1. 2
 2. 3
 3. 4
5. Name the function which used to write a row at a time into CSV file.
 - writerow()
6. Which of the following parameter needs to be added with open function to avoid blank row followed file each row in CSV file?
 0. qoutechar
 1. quoting
 2. **newline**
 3. skiprow
7. Anshuman wants to separate the values by a \$ sign. Suggest to him a pair of function and parameter to use it.
 0. open,quotechar
 1. writer,quotechar
 2. open,delimiter
 3. **writer, delimiter**

8. Which of the following is tasks cannot be done or difficult with CSV module?
0. Data in tabular form
 1. **Uniqueness of data**
 2. Saving data permanently
 3. All of these
9. Which of the following is by default quoting parameter value?
0. **csv.QUOTE_MINIMAL**
 1. csv.QUOTE_ALL
 2. csv.QUOTE_NONNUMERIC
 3. csv.QUOTE_NONE
10. Which of the following is must be needed when csv.QUOTE_NONE parameter is used?
0. **escapechar**
 1. quotechar
 2. quoting
 3. None of these

Section D

Descriptive Questions CSV in python class 12

[1] Write the functions required to handle CSV files.

To handle CSV files following function required:

1. Open()
2. reader()
3. writer()
4. writerow()
5. close()

[2] Write to ways to import a csv module.

1. import csv
2. from csv import *

[3] Explain following functions with example.

1. reader()
2. writer()
3. writerow()

Section E

Case study based questions – CSV in Python class 12

[1] Write python code to create a header row for CSV file “students.csv”. The column names are : Adm.No, StudentName, City, Remarks

```

from csv import writer
f = open("students.csv","w")
dt = writer(f)
dt.writerow(['Admno','StudentName','City','Remarks'])
f.close()

```

[2] Observe the following code and fill in the given blanks:

```

import csv
with _____ as f:
#1
    r = csv._____(f)
#2
    for row in _____:
#3
        print(_____) #4

```

1. open("data.csv")
2. reader
3. r
4. row

[3] Write steps to print data from csv file in list object and support your answer with example.

1. Import csv module – import csv
2. Open the csv file in reading mode – f = open("demo.csv","r")
3. Use list object to store the data read from csv using reader – data = csv.reader(f)
4. close the csv file – f.close()
5. print the data object – print(data)

[4] How to print following data for cust.csv in tabular form using python code?

SNo	Customer Name	City	Amount
1	Dhaval	Anand	1500
2	Anuj	Ahmedabad	2400
3	Mohan	Vadodara	1000

4	Sohan	Surat	700
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```

from csv import reader
f = open("cust.csv","r")
dt = reader(f)
data = list(dt)
f.close()
for i in data:
    for j in i:
        print('\t|',j,end=" ")
    print()

```

[5] Write code to insert multiple rows in the above csv file.

```

from csv import writer
with open("cust.csv","a",newline="\n")
as f:
    dt = writer(f)
    while True:
        sno= int(input("Enter Serial No:"))
        cust_name = input("Enter customer name:")
        city = input("Enter city:")
        amt = int(input("Enter amount:"))
        dt.writerow([sno, cust_name, city, amt])
        print("Record has been added.")
        print("Want to add more record?Type YES!!!")
        ch = input()
        ch = ch.upper()
        if ch=="YES":
            print("*****")
        else:
            break

```

[6] Write code to delete a row from csv file.

```

import csv
record = list()
custname= input("Please enter a customer name to delete:")
with open('cust.csv', 'r') as f:
    data = csv.reader(f)
    for row in data:
        record.append(row)

```

```
for field in row:
    if field == custname:
        record.remove(row)
with open('cust.csv', 'w') as f:
    writer = csv.writer(f)
    writer.writerows(record)
```