CBSE Webinar Report

DATE	:	23rd April, 2021 [05:00 pm to 06:00 pm]
ORGANISED BY	:	CBSE – COE Bhopal
THEME	:	Data File Handling in Python- An Orientation for the project work
RESOURCE PERSON	:	Mr. Amit Verma, PGT CS/IP ST. MARY'S CONVENT SR. SEC. SCHOOL, AJMER
ATTENDED BY	:	Mr. Ankur Sharma

The session was very educative, informative and interesting. Mr. Amit Verma explained how to create a python project using data file handling?

Major discussion was on the following key topics:

o Project creation steps.

o Different Operation that can be implemented in the project like insert, delete, update, display, search, etc.

o Explain dump() and load() function of pickle module to perform write and read operation on binary files .

o How to create login and signup page in the project.

o All the above-mentioned points were implemented on sample project "Vaccination Management System".

This session provide insight and understanding of project creation using file handling. It was a very enriching experience for me.

I wish to express my sincere gratitude to Respected Principal Sir, for providing the opportunity to attend this incredible session.

Prepared by-

Mr. Ankur Sharma

TGT, Computer

Some of the snapshots of the webinar

Project Creation Easy Steps:

3) Now Decide which things are to be stored for a specific record about an entity like doctors,patients,teachers,library etc.

4) Try to create functions for every functionalities and can divide the tasks among group of students.

5) Now Design the Login Screen from where we will redirect to main menu screen.

Project Creation Easy Steps:

6) Now Design the Menu Screen and define all the functions with empty body initially.

7) Now Call the functions as per the choice entered by users.

8) Now after doing basic operations you can extend your project as per the interest of students.

9) We can create separate modules too for functions sharing among users.

Vaccine Management System

1) Login screen:

2) signup screen:

3) Screen for storing records of users   (Insert operation)

4) Screen for updating records of users   (update operation)

5) Screen for deleting records of users   (delete operation)

6) Screen for searching records of users   (search operation)

7) screen for billing of users

8) screen for password forgot/reset

9) screen for malkig charts for weekly/monthly comparison

```
        with open( users.bin , rb ) as f1:
            try:
                while True:
                    r=pickle.load(f1)
                    if u==r[0]:
                        return True
            except:
                return False
print("*"*75)
print(" "*15,"Welcome to Sign up screen for admins of Vaccine management system")
print("\n\n\n")
username=input("\tEnter the username:\t")
while (checkusers(username)):
    print("Please enter unique username")
    username=input("\tEnter the username:\t")

password=getpass.getpass("\tChoose your password:\t")
cnfpassword=getpass.getpass("\tChoose your password again:\t")
while password!=cnfpassword:
    print("Passwords do not match")
    password=getpass.getpass("\tChoose your password:\t")
    cnfpassword=getpass.getpass("\tChoose your password again:\t")
mobile=input("\tEnter the mobileno:\t")
f1=open("users.bin","ab")
rec=[username,password,mobile]
pickle.dump(rec,f1)
f1.close()
print("Account created successfully")
```

● REC   Amit Verma is presenting

DATA FILE HANDLING IN PYTHO...   ✕

People (15)   Chat

Benoie Mathew C   5:22 PM
Benoie Mathew, The Unirise World School, Ludhiana :
Good evening sir

```
*signup.py - C:/Users/LAXMI NARAYAN/Desktop/cbse delhi/signup.py (3.9.1)*
File Edit Format Run Options Window Help
"""
signup screen to create account for admins.

[username,password,mobile]

users.bin

"""
import pickle
import os
import getpass
import subprocess
import time
def checkusers(u):
    if os.path.isfile("users.bin"):
        with open("users.bin","rb") as f1:
            try:
                while True:
                    r=pickle.load(f1)
                    if u==r[0]:
                        return True
            except:
                return False
print("*"*75)
print(" "*15,"Welcome to Sign up screen for admins of Vaccine management system")
print("\n\n\n")
username=input("\tEnter the username:\t")
while (checkusers(username)):
    print("Please enter unique username.")
```

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DATA FILE HANDLING IN PYTHON-AN ORIENTA... ^

Raise hand   Turn on captions   Amit Verma is presenting

Send a message to everyone

Type here to search   17:35 23-04-2021

Serial No: CBSE/OS/2020/W/54595   Date of issue: 25/04/2021
क्रमांक: जारी करने की तिथि:

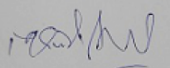केन्द्रीय माध्यमिक शिक्षा बोर्ड
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This is to certify that Dr./Ms./Mrs./Mr.   Ankur Sharma   ,

विद्यालय   ने निम्न विवरणानुसार ऑनलाइन सत्र में भाग लिया:
School   BAL BHARTI PUB SCH NEELBAD SURAJ NAGAR BHOPAL MP   has attended Online Session with following details:

दिनांक   समय
Date : 23/04/2021   Time: 17:00-18:00
शीर्षक
Topic: DATA FILE HANDLING IN PYTHON-AN ORIENTATION FOR THE PROJECT WORK-CS

यह ऑनलाइन सत्र उत्कृष्टता केंद्र   द्वारा आयोजित किया गया |
This Online session was organized by Center of Excellence   Delhi West   .

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