SCHOOL NAME & LOGO

CENTRAL BOARD OF SECONDARY EDUCATION

School Name

Address

A PRACTICAL RECORD FILE IS SUBMITTED TO DEPARTMENT OF COMPUTER SCIENCE FOR THE PARTIAL FULLFILLMENT OF SSCE EXAMINATION FOR THE ACADEMIC SESSION:

2022-23

SUBMITTED BY: [NAME OF STUDENT] HOD(COMPUTER):[NAME OF SUBJECT TEACHER] CLASS: [CLASS]

ROLL NO: [XXXXXXX]

ACKNOWLEDGEMENT

*I wish to express my deep sense of gratitude and indebtedness to our learned teacher* TEACHER’S NAME

*, PGT COMPUTER SCIENCE, [SCHOOL NAME] for his*

*invaluable help, advice and guidance in the preparation of this project.*

*I am also greatly indebted to our principal [Name of principal] and school authorities for providing me with the facilities and requisite laboratory conditions for making this practical file.*

*I also extend my thanks to a number of teachers, my classmates and friends who helped me to complete this practical file successfully.*

*[Name of Student]*

CERTIFICATE

*This is to certify that [Name of Student], student of Class XII, [NAME OF SCHOOL] has completed the PRACTICAL FILE during the academic year 2022-23 towards partial fulfillment of credit for the Computer Science practical evaluation of CBSE SSCE-2023 and submitted satisfactory report, as compiled in the following pages, under my*

*supervision.*

*Total number of practical certified are: 24*

*Internal Examiner External Examiner*

*Date: School Seal Principal*

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| **S.No** | **PRACTICAL-TITLE** | | | | | | | **Date** | **Signature** |
| **I** | **WORKING WITH FUNCTION** | | | | | | | | |
| 1 | Write a python program using a function to print factorial number series  from n to m numbers. | | | | | | |  |  |
| 2 | Write a python program to accept the username "Admin" as the default  argument and password 123 entered by the user to allow login into the system. | | | | | | |  |  |
| 3 | Write a python program to demonstrate the concept of variable length  argument to calculate the product and power of the first 10 numbers. | | | | | | |  |  |
| **II** | **DATA FILE HANDLING** | | | | | | | | |
| 4 | Create a text file "intro.txt" in python and ask the user to write a single  line of text by user input. | | | | | | |  |  |
| 5 | Write a program to count a total number of lines and count the total  number of lines starting with 'A', 'B', and 'C' from the file MyFile.txt. | | | | | | |  |  |
| 6 | Write a program to replace all spaces from text with - (dash) from the file  intro.txt. | | | | | | |  |  |
| 7 | Write a program to know the cursor position and print the text according to the below-given specifications:   * Print the initial position * Move the cursor to 4th position * Display next 5 characters * Move the cursor to the next 10 characters * Print the current cursor position * Print next 10 characters from the current cursor position | | | | | | |  |  |
| 8 | Write a program to store customer data into a binary file cust.dat using a dictionary and print them on screen after reading them. The customer  data contains ID as key, and name, city as values. | | | | | | |  |  |
| 9 | Write a program to update a record from student.dat file by its rollno.  Display the updated record on screen. | | | | | | |  |  |
| 10 | Write a program to write data into binary file marks.dat and display the  records of students who scored more than 95 marks. | | | | | | |  |  |
| 11 | Read a CSV file top5.csv and print the contents in a proper format. The  data for top5.csv file are as following: | | | | | | |  |  |
|  | SNo | Batsman | Team | Runs | Highest |  |
| 1 | K L Rahul | KXI | 670 | 132\* |
| 2 | S Dhawan | DC | 618 | 106\* |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 3 | David Warner | | SRH | | 548 | 85\* |  |  |  |
| 4 | Shreyas Iyer | | DC | | 519 | 88\* |
| 5 | Ishan Kishan | | MI | | 516 | 99 |
| 12 | Read a CSV file top5.csv and print them with tab delimiter. Ignore first  row header to print in tabular form. | | | | | | | | |  |  |
| 13 | Read a CSV file students.csv and print them with tab delimiter. Ignore  first row header to print in tabular form. | | | | | | | | |  |  |
|  | | | Field 1 | | Data Type | |  | |
| StudentID | | Integer | |
| StudentName | | String | |
| Score | | Interger | |
| **III** | **DATA STRUCTURE** | | | | | | | | | | |
| 14 | Write a program to implement a stack for the employee details (empno,  name). | | | | | | | | |  |  |
| 15 | Write a python program to check whether a string is a palindrome or not  using stack. | | | | | | | | |  |  |
| **IV** | **DATABASE MANAGEMENT (MySQL Queries)** | | | | | | | | | | |
| 16 | Queries Set 1 (Fetching records) | | | | | | | | |  |  |
| 17 | Queries Set 2 (Based on Aggregate Functions) | | | | | | | | |  |  |
| 18 | Queries Set 3 (DDL Commands) | | | | | | | | |  |  |
| 19 | Queries set 4 (Based on Two Tables) | | | | | | | | |  |  |
| 20 | Queries Set 5 (Group by , Order By) | | | | | | | | |  |  |
| **V** | **PYTHON- MySQL Connectivity** | | | | | | | | | | |
| 21 | Write a MySQL connectivity program in Python to   * • Create a database school * Create a table students with the specifications - ROLLNO integer, STNAME character(10) in MySQL and perform the following operations: o Insert two records in it   o Display the contents of the table | | | | | | | | |  |  |
| 22 | Perform all the operations with reference to table ‘students’ through  MySQL-Python connectivity. | | | | | | | | |  |  |
| 23 | Write a menu-driven program to store data into a MySQL database named shop and table customer as following:   1. Add customer details 2. Update customer details 3. Delete customer details 4. Display all customer details | | | | | | | | |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 24 | Modify the above program and display the customer details based on the following menu:   1. Display customer details by city 2. Display customer details by bill amount 3. Display customer details by name 4. Display customer details by category |  |  |