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CBSE
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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 : 2023-24

SUBMITTED BY: [NAME OF STUDENT]

HOD(COMPUTER):[NAME OF SUBJECT TEACHER]

CLASS: [CLASS]

ROLL NO: [XXXXXXX]

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 : 26

Internal Examiner

External Examiner

Date:

School Seal

Principal

CONTENTS

SNo.	Practical	Date	Signature
1	Working with functions		
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.		
2	Exception Handling		
4	Write a Python program to accept a list as a function parameter and raise the IndexError exception.		
5	Write a program to accept the number of days and display appropriate weeks in an integer. Display an appropriate error message through multiple exception handling including the finally clause.		
3	Data File handling		
6	Create a text file "intro.txt" in python and ask the user to write a single line of text by user input.		
7	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 dfh.txt.		
8	Write a program to replace all spaces from text with - (dash) from the file intro.txt.		
9	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																																
SNo .	Practical	Date	Signature																														
10	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.																																
11	Write a program to update a record from student.dat file by its rollno. Display the updated record on screen.																																
12	Write a program to write data into binary file marks.dat and display the records of students who scored more than 95 marks.																																
13	Read a CSV file top5.csv and print the contents in a proper format. The data for top5.csv file are as following: <table><tr><th>SNo</th><th>Batsman</th><th>Team</th><th>Runs</th><th>Highest</th></tr><tr><td>1</td><td>K L Rahul</td><td>KXI</td><td>670</td><td>132*</td></tr><tr><td>2</td><td>S Dhawan</td><td>DC</td><td>618</td><td>106*</td></tr><tr><td>3</td><td>David Warner</td><td>SRH</td><td>548</td><td>85*</td></tr><tr><td>4</td><td>Shreyas Iyer</td><td>DC</td><td>519</td><td>88*</td></tr><tr><td>5</td><td>Ishan Kishan</td><td>MI</td><td>516</td><td>99</td></tr></table>	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		
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14	Read a CSV file top5.csv and print them with tab delimiter. Ignore first row header to print in tabular form.																																
15	Read a CSV file students.csv and print them with tab delimiter. Ignore first row header to print in tabular form. <table><tr><th>Field 1</th><th>Data Type</th></tr></table>	Field 1	Data Type																														
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	StudentID Integer StudentName String Score Integer			
SNo	Practical	Date	Signature	
3	Data Structure - Stack			
16	Write a program to implement a stack for the employee details (empno, name).			
17	Write a python program to check whether a string is a palindrome or not using stack.			
4	Database management (MySQL Queries)			
18	Queries Set 1 (Fetching records)			
19	Queries Set 2 (Based on Aggregate Functions)			
20	Queries Set 3 (DDL Commands)			
21	Queries set 4 (Based on Two Tables)			
22	Queries Set 5 (Group by , Order By)			
5	Python-MySQL Connectivity			
23	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: ○ Insert two records in it ○ Display the contents of the table			
24	Perform all the operations with reference to table 'students' through MySQL-Python connectivity. Write a menu-driven program to store data into a MySQL database named shop and table customer as following: 1. Add student details 2. Update student details 3. Delete student details 4. Display all student details			
25	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			

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