INDIAN SCHOOL AL WADI AL KABIR

Holiday Homework Worksheet, 2025-26

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| **Class: XII** | **SUB: COMPUTER SCIENCE** | **Date of Completion:**  **03/08/2025** |
| **Execute programs on Python editor** | **TOPIC: PRACTICAL QUESTIONS** | **Note: Programs to be written in the record book** |

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| 1 | Write a python program using function to pass list to a function and double the odd values and half even values of a list and display list element after changing. |
| 2 | Write a Python program input n numbers in tuple and count how many even and odd numbers are entered. |
| 3 | Write a menu driven program in python to delete name of a student from dictionary and to search phone no of a student by student name. Create menu as below:  MENU  1. Delete from Dictionary  2. Search Phone number using name from Dictionary  3. Exit |
| 4 | Write a menu driven program in python to do following  MENU   1. Reverse String 2. Check Whether string is Palindrome 3. Make half string in Uppercase 4. Exit |
| 5 | Write a program to read a list of n integers (positive as well as negative) from user. Create two new lists, one having all positive numbers and the other having all negative numbers with sum for both the list. |
| 6 | Write a python program to read and display file content line by line with each word separated by #. |
| 7 | Write a python program Read a text file and display the number of vowels /consonants /uppercase / lowercase characters in the file. |
| 8 | Write a python code that accepts a filename, and copies all lines that start with alphabets but not start with a lowercase letter from the first file into the second. |
| 9 | Write a python program to search for all the lines that contain the character ‘a’ in a file and write it to another file after removing character a in each line. |
| 10 | Write a python program to create a binary file with name and roll number. Search for a given roll number and display name, if not found display appropriate message. |
| 11 | Write a python program to create a binary file with roll number, name and marks. Input a roll number and update name and marks |
| 12 | Write a Menu driven program in python to count spaces, digits, words and lines from text file try.txt |
| 13 | Create a binary file student.dat to hold students’ records like Rollno. Students name, and Address using the list. Write functions to write data, read them, and print on the screen. |
| 14 | Write a program to store customer data into a binary file cust.dat using a dictionary. The customer data contains ID as key, and name, city as values. Display the id and name of students from ‘Delhi’. |
| 15 | Write a function to write data into binary file marks.dat with the following structure -[rollno,name,mark] and display the records of students who scored more than 95 marks. |