**PRACTICAL NO –1**

**Objective:** Write a Menu Driven Python Program to get an integer from user and:

1) Check a number whether it is prime or not.

2) Check a number is palindrome or not.

3) Exit.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –2**

**Objective:** Write a Menu Driven Python Program to:

1) Calculate Simple Interest.

2) Calculate Compound Interest.

3) Exit.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –3**

**Objective:** Write a Menu Driven Python Program to:

1) To display ASCII Code of a given Character.

2) To display Character of a given ASCII Code.

3) Exit.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –4**

**Objective:** Write a Menu Driven Python Program to read a line of text from user and:

1) Display total number of alphabets present in line.

2) Display total number of digits present in line.

3) Display total number of special characters present in line.

4) Exit.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –5**

**Objective:** Write a Python Program to read an integer value from user, calculate the Factorial of an integer using recursion and display.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –6**

**Objective:** Write a Python Program to read an integer value from user, compute the Nth Fibonacci numbers using recursion and display.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –7**

**Objective:** Write a Python Program to read a list of integer values from user, find the sum of all elements of a list using recursion and display.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –8**

**Objective:**  Write a Python Program to read a list of integer values from user, find a value from user, search value in list using linear search.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –9**

**Objective:** Write a Python Program to Read a text file and display the number of Vowels, consonants, uppercase, lowercase characters in the file.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –10**

**Objective:** Write a Python Program to Read a text file, Remove all the lines that contain the character 'a' in a file and write it to another file. Read and display the another file.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –11**

**Objective:** Write a Python Program to create a binary file with roll number, name and marks. Input a roll number and update the marks. Read and display the file.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –12**

**Objective:** : Write a python program which has user defined function sin(x,n) to calculate the value of sin(x) using its Taylor series expansion up to n terms. 

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –13**

**Objective:** Write a python program to create a CSV file by entering user-id and password, read and search the password for given user-id.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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**PRACTICAL NO –14**

**Objective:** Write a python program to create a CSV with details of 5 students (Roll\_No, Sname, Age), read, search and display the student details by Roll\_No given.

**Library Files & Functions Used:**

**Program Code:**

**Conclusion: Program was interpreted & run successfully. It was tested with various valid combinations of inputs and the outputs given were found correct.**

**Input-Output Window**

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