RECORD LIST- CLASS XI

1. SIMPLE INTEREST CALCULATION – The values for principal, rate of interest, time period to be read from the user and simple interest is computed and displayed
2. TIME CONVERSION – The time is read in seconds and displayed converted to hours, minutes and seconds
3. STUDENT MARK PROCESSING- The name of the student and marks in 5 subjects are accepted. The output should display the name, total, average, result(Pass or Fail) and Grade (A if average >=90, B if average >= 75, C if average >=40 and D otherwise)
4. TEMPERATURE CONVERSION – to accept temperature in Fahrenheit and display its Celsius equivalent and vice versa.
5. LEAP YEAR CHECK – Using nested if, read and check if a given year is leap year or not
6. ROOTS OF QUADRATIC EQUATION – Read the co-efficients of a quadratic equation and display the nature and value of the roots
7. MENU DRIVEN CODE – 1 . The options of the code are 1. Area of circle 2. Perimeter of circle 3. Exit. Depending on the choice, the inputs are read and output is calculated and displayed
8. MENU DRIVEN CODE – 2   The options of the code are 1. Sum of 1st 'n' natural numbers 2. Multiplication table of given number 'n' for 'm' multiples 3. Exit
9. FIBONACCI SERIES – Display the 1st 'n' numbers in Fibonacci series
10. PRIME NUMBER GENERATION – Accept 2 limits and generate the prime numbers between the limits.
11. NUMBER CONVERSIONS – Menu driven code with options 1.Decimal to Binary 2. Binary to Decimal 3. Octal to decimal 4. Exit
12. PALINDROME CHECK – A string is read and displayed whether palindrome or not
13. CAPITALIZE EACH WORD- Read a string and capitalize 1st letter of every word
14. LIST OPERATION – Read a list of numbers and display the 1st highest, 2nd highest, 1st least 2nd least number
15. STRING WITH MAXIMUM VOWELS – Read a list of strings and display the string with the maximum vowels
16. SORT A LIST – Sort a list of numbers using Bubble sort or Insertion sort as per user's choice
17. NESTED TUPLE – Read a nested tuple of numbers and display the mean of numbers and mean of means
18. TELEPHONE DIRECTORY -Create a dictionary denoting key value pairs representing phone numbers and subscriber name. Options in a menu 1. Search for a given phone number and display the name 2. Display subscribers name in sorted order of telephone numbers 3.Exit