**PLT Programs - Level 1**

**Language Fundamentals**

1. Write a program to accept the principle, rate of interest, and time. Calculate simple interest and display the same.

2. Write a program to accept two numbers. Display the two numbers. Swap the two numbers and display them again.

3. Write a program to accept a number and display whether it is an even or odd number (Note: Don't use Ifelse statement)

4. Write a program to accept a double value. Separate the whole value from the fractional value and store them in two variables. Display the same

5. Evaluate the following expression: a + b – c \* d / e, wherein a = 2, b = 2, c = 1, d = 3, and e = 10

6. Write a program to accept a decimal number. Display it in the binary form

7. Write a program to accept a binary number and display it in the decimal form.

8. Write a program to calculate the LCM of any no. of numbers

9. Write a program to find X ^ N (x to the power of n) without using in-built functions. Accept X and n. Display the result.

10. Write a program to check if the string is a palindrome