**Object Oriented Programming in C++ (SWE 102)**
**Lab Exercises**

1.  Convert input miles to kilometers and print with proper sentence for the user.
    (1 mile = .609 km)

2.  Write program to convert Fahrenheit to Centigrade temperature scale.   (F=(C*9/5)+32)

3.  Write a program to compute maturity value on deposit of Rs 12,000 for 2 years with a simple interest rate of 7%. (Interest=PNR/100)

4.  Code programs to calculate the following:
    Area of a square,  Area of a rectangle ,  Area of a triangle  Area of a circle

5.  Write a calculator program with the following Menu prompt:
    Calculator
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    1. Add
    2. Subtract
    3. Multiply
    4. Divide
    5. Factorial
    6. Exit
    Enter your option:   Accept the option followed by input of two values with appropriate prompt; print the  output. (Hint: use **switch case** )

6.  Programs illustrating inline function and function with default arguments.

7.  Programs illustrating function overloading and pass by reference.

8.  Programs illustrating dynamic  memory allocation using new and delete operator

9.  Programs illustrating class and objects with constructor and destructor

10. Programs illustrating friend class and friend function

11. Programs illustrating overloading with various types of operators

12. Programs illustrating various types of inheritances

13. Programs illustrating dynamic biding using virtual function.

14. Programs illustrating streams computation with files

15. Programs illustrating various exceptions