

Lab 4 (Loop: switch + for & while)

1. Explain Switch to students then solve these two programs
2. Use Switch to receive month number from user and print month name
3. Use Switch to receive month number from user and print this month is 30 or 31 days

-----**for + while**-----

4. Write a C++ program to find sum of numbers from 1 to 50
5. Write a C++ program to find sum of even numbers from 1 to 50
6. Write a C++ program to find sum of odd numbers from 1 to 50
7. Write a C++ program to find multiplication of numbers from 1 to 20
8. Write a C++ program to find multiplication of even numbers from 1 to 20
9. Write a C++ program to find multiplication of odd numbers from 1 to 20
10. Write a C++ program to print Fibonacci sequence

11. Write a C++ program to read a number then display its reverse.

Input	Output
4352	The reverse is 2534

12. A palindrome number is one that is when reversed gives the same original number.
Write a C++ program to read a number then check whether it is a palindrome or not.

Input	Output
12321	The number is palindrome

13. Write a C++ program to read a number then find how many digits in it.

Please Enter x = 4352 The number has 4 digits
--

14. Write a C++ program to read a number then find how many odd digits in it.

Please Enter x = 4352 Number of odd digits is 2
--

15. Write a C++ program to read a number then find the sum of its digits.

Please Enter x = 46732 Sum of digits = 22
--

16. Write a C++ program to read a number then find the sum of odd digits.

Please Enter x = 46732 Sum of odd digits = 10
--