## Experiment No: 32

## **Experiment Name:** Take n Numbers as input and Display it in reverse order

## **Objective:**

The purpose of this project is to write a C program that reverses the digits of a given number. For example, if the input number is 1234, the output should be 4321. This project demonstrates the use of arithmetic operators, loops, and functions in C programming.

# **Code:**

#include <stdio.h>

int main()

{

int num,temp,r,sum=0;

printf("Enter any numner : ");

scanf("%d", &num);

temp=num;

while(temp!=0)

{

r=temp%10;

sum=sum\*10+r;

temp=temp/10;

}

printf("Reverse of the digit : %d",sum);

return 0;

}

# **Input:**

Enter any number : 4321

**Output:**

Reverse of the digit : 1234

## **Discussion:**

The project successfully achieved the objective of writing a C program to reverse a number. The project demonstrated the use of arithmetic operators, loops, and functions in C programming. The project also learned how to write a lab report that documents the various aspects of a programming project. The project can be further improved by addressing the challenges and limitations mentioned in the discussion section.