



Parshvanath Charitable Trust's  
**A. P. SHAH INSTITUTE OF TECHNOLOGY**  
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)  
(Religious Jain Minority)

Department of Humanities and Applied Science

Academic Year: 2023-24

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Semester: II

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Class / Branch: F.E ALL

Date of Performance: 17/01/2024

Subject: C Programming

Date of Submission: 17/01/2024

Name of Instructor: Prof. [Vandana Virbhadre](#)

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Experiment No.3

Aim: Write a program to demonstrate the results obtained by using the arithmetic operators for addition, subtraction, multiplication and division with typecasting on integer data.

Program:

```
#include<stdio.h>
int main ()
{
    int num1,num2;
    float result;
    printf("Enter First number:- "),scanf("%d",&num1);
    printf("Enter second number:- "),scanf("%d",&num2);
    result=num1+num2;
    printf("Addition of two numbers is:- %.0f \n", result);
    result=num1-num2;
    printf("Substraction of two numbers is:- %.0f \n", result);
    result=num1*num2;
    printf("Multiplication of two numbers is:- %.0f \n", result);
    result=num1/num2;
    printf("division of two numbers is:- %.2f \n ", result);
    result= (float) num1/num2;
    printf("Division(float)=%.2f\n ",result); //typecasting

    return 0;
}
```

Output:

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/Exp3$ gcc Exp3.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/Exp3$ ./a.out
Enter First number:- 59
Enter second number:- 13
Addition of two numbers is:- 72
Substraction of two numbers is:- 46
Multiplication of two numbers is:- 767
division of two numbers is:- 4.00
Division(float)=4.54
```