



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

Name of Student: Vedant Nagesh Terse

Semester: II

Student ID:23104195

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](#)

Experiment No.2

Aim: Write a program to demonstrate the concept of data-types, printf & scanf statement and sizeof operator.

Problem Statement: Write a program to store details of a student such as 1. Roll No 2. Gender 3. weight(float). Display value and size (bytes) of each variable.

Program:

```
#include<stdio.h>
int main ()
{
    int roll_no=475;
    char div='G';
    float weight=60.5;
    printf("Division of student=%c\n ",div);
    printf("Roll no of student=%d\n ",roll_no);
    printf("weigh of the student=%f\n",weight);
    printf("size of int=%ld\n",sizeof(roll_no));
    printf("size of char=%ld\n",sizeof(div));
    printf("size of float=%ld\n",sizeof(weight));
    return 0;
}
```

Output:

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp2$ gcc EXp2.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp2$ ./a.out
Division of student=G
Roll no of student=475
weigh of the student=60.500000
size of int=4
size of char=1
size of float=4
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp2$
```