



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: 14/02/2024

Subject: C Programming

Date of Submission: 14/02/2024

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

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Experiment No.14

Aim: Demonstrate working of functions.

Problem statement: **Statement:** WAP to check whether entered number is prime or not.

PROGRAM:-

```
#include<stdio.h>
int main()
{
    int number,flag;
    int isPrime(int);
    printf("Enter Any No");
    scanf("%d",& number);
    flag=isPrime(number);
    if(flag==0)
        printf("Prime Number");
    else
        printf("Not Prime");
}

int isPrime(int n)
{
    int i,count=0;
    for(i=2;i<=n/2;i++)
    {
        if(n%i==0)
            count++;
    }
    if(count >1)
        return 1;
    else
        return 0;
}
```

OUTPUT:-

```
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp14$ gcc EXp14.c
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp14$ ./a.out
Enter Any No5
Prime Numberapsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp14$
apsit@apsit-HP-Pro-Tower-280-G9-PCI-Desktop-PC:~/Desktop/G475/EXp14$ ./a.out
Enter Any No12
```