

## Lab 1

1. Write a program to display your name and roll number in C.

```
#include<stdio.h>
int main()
{
    char a[18]="Nathen";
    int r1=31; char
    r2[13]="PUL070BCT567";
    printf("Name=%s,roll = %s,
    %d",a,r2,r1);
}
```

2. Write a program to add three numbers (3,7,9) and display their sum.

```
#include<stdio.h>
int main()
{
    int a=3,b=7,c=9;
    printf("Result =
    %d.",a+b+c);
}
```

3. Write a program to multiply two numbers(6,8) and display the product.

```
#include<stdio.h>
int main()
{
    int a=6,b=8;
    printf("Result = %d.",a*b);
}
```

4. Write a program to calculate simple interest for a given P=\$6000, T=2years, R=3.5 p.a.

```
#include<stdio.h>
int main()
```

```
{  
  
    int p=6000,t=2;  
float r=3.5;  
    printf("Result = %f.",p*t*r/100);  
}
```

5. Write a program to calculate TSA of a cylinder having its radius (r=7) & height (h=10).

```
#include<stdio.h>  
int main()  
{  
    int r=7,h=10;  
float pi=3.1415;  
    printf("Result = %f.",2*pi*r*(r+h));  
}
```

6. Write a program to calculate area of an ellipse having its minor axes=7cm & major axes=10cm.

```
#include<stdio.h>  
int main()  
{  
    int a=7,b=10;  
float pi=3.1415;  
    printf("Result = %f cm square.",pi*a*b);  
}
```