

# UNIT 4

## Operators and Expressions LAB

### 1. WAP to convert number of days into days and month.

```
#include<stdio.h>

int main(){
    int days, months;
    printf("Enter number of days:");
    scanf("%d",&days);
    months=days/30;
    days=days%30;
    printf("Months=%d Days=%d",months,days);
    return 0;
}
```

### 2. WAP to sum the digits of a positive integer which is 5 digits long.

```
#include<stdio.h>

int main(){
    int num,digit1,digit2,digit3,digit4,sum;
    printf("Enter a five digit integer:");
    scanf("%d",&num);
    digit1=num%10;
    num=num/10;
    digit2=num%10;
    num=num/10;
    digit3=num%10;
    num=num/10;
    digit4=num%10;
    num=num/10;
    sum=digit1+digit2+digit3+digit4;
    printf("Sum of digits is %d",sum);
}
```

```
    digit4=num%10;
    num=num/10;
    sum=digit1+digit2+digit3+digit4+num;
    printf("Sum=%d",sum);
    return 0;
}
```

**3. WAP that finds the larger among two integers using conditional operator.**

```
#include<stdio.h>

int main(){
    int a,b,larger;
    printf("Enter two numbers:");
    scanf("%d%d",&a,&b);
    larger=a>b?a:b;
    printf("The larger number is %d",larger);
    return 0;
}
```

**4. WAP that demonstrates the use of sizeof() operator.**

```
#include<stdio.h>

int main(){
    printf("Size of integer = %d bytes",sizeof(int));
    printf("\nSize of float = %d bytes",sizeof(float));
    printf("\nSize of double = %d bytes",sizeof(double));
    printf("\nSize of long int = %d bytes",sizeof(long));
    return 0;
}
```