Lab Manual: 2

Task : 1

Adding two Numbers:

- Take two integers as an input from user.
- Add both integers
- Display the sum of integers on Console.

```c
#include<stdio.h>

void main()
{
int a, b, sum;
printf("enter any two integers:");
scanf("% %d", &a, &b);
sum= a+b;
printf(" the sum is %d", sum);
getch();
}
```

Task 2:

Arithematic Expression

- Takes three integers as an input from user
- Solve the arithmetic expression
  "(a+b*c)/5"

Display the result on Console.

```c
#include<stdio.h>

void main()
{
int a,b,c;
printf("Enter any three integers:");
scanf(" %d%d%d", &a,&b,&c);
int d= (a+b*c )/5;
printf("%d",d);
getch();
}
```

Task . 3

Find largest number.

write c program (use multiple if State)

- Reads three numbers as an input from user.

- Find the largest number /Display on console.

```c
#include<stdio.h>

void main()
{
int a, b,c;
```

```
printf("Enter three integers:");
scanf("%d%d%d", &a,&b,&c);
if(a>b && a>c)
{
    printf("larger number: %d",a);
}
if(b>a && b>c)
{
    printf("larger number: %d", b);
}
if(c>a && c>b)
{
    printf("larger number: %d",c);
}
getch();
}
```

Task : 4

fill the blank area:

The following program: (if else statement)

- Take a " obtained marks" as an
  input from the user.
- Display grade corresponding to
  marks using following table:

  greater then equal to 80   A
  greater than equal to 70   B
  _____   C

```c
#include<stdio.h>

void main()
{
    int marks;
    printf(" Enter the Marks:");
    scanf("%d",& marks);
    if(marks >= 80)
    {
        printf("A");
    }
    else if(marks >= 70)
    {
        printf("B");
    }
    else if(marks >= 60)
    {
        printf(" C");
    }
    else {
        printf("Fail");
    }
    getch();
}
```

Task : 6: Simple Calculator:

```c
#include<stdio.h>

void main()
{

int n, a, b;
printf ("1: Addition\n2: Substaction\n3: multiply\n
4: Division \n5: Square\n");
printf(" %d", &n);
scanf(" %d", &n);
if (n==1)
{

printf("Enter two number:");
scanf("%d %d", &a, &b);
```

```c
printf(" Sum: %d ", a+b);
}

else if(n==2){
    printf(" Enter two numbers: ");
    scanf("%d %d", &a, &b);
    printf(" Substraction: %d", a-b);
}

else if (n==3){
    Printf(" Enter two number:");
    scanf(" %d %d", &a, &b);
    printf(" Multiply: %d", a*b);
}

else if(n == 4){
    printf(" Enter two number: ");
    scanf(" %d %d", &a, &b);
    printf(" Divide : %d", a/b);
}

else if(n==5){
    printf(" Enter the Number:");
    scanf("%d", &a);
    printf(" Square: %d", a*a);
}

else {
    printf(" Incorrect option:");
}
}
```