**EXPERIMENT N0-10**

**AIM: Write mixed language program to perform addition, subtraction and division of two decimal numbers.**

**CODE:**

#include<stdio.h>

#include<conio.h>

void add(int a,int b);

void sub(int a,int b);

void mul(int a,int b);

void div(int a,int b);

int a,b,ch;

void main(void)

{

clrscr();

do

{

printf("1)Addition\t2)Subtraction\t3)Multiplication\t4)Division :\n");

scanf("%d",&ch);

printf("Enter Two Numbers :\n");

scanf("%d\n%d",&a,&b);

switch(ch)

{

case 1:

add(a,b);

break;

case 2:

sub(a,b);

break;

case 3:

mul(a,b);

break;

case 4:

div(a,b);

break;

default:

printf("Wrong Input");

break;

}

}while(ch!=5);

getch();

}

void add(int a,int b)

{

int ans;

asm mov ax,a;

asm mov bx,b;

asm add ax,bx;

asm mov ans,ax;

printf("The Addition is : %d\n",ans);

}

void sub(int a,int b)

{

int ans;

asm mov ax,a;

asm mov bx,b;

asm sub ax,bx;

asm mov ans,ax;

printf("The Subtractiontion is : %d\n",ans);

}

void mul(int a,int b)

{

int ans;

asm mov ax,a;

asm mov bx,b;

asm mul bx;

asm mov ans,ax;

printf("The Multiplication is : %d\n",ans);

}

void div(int a,int b)

{

int ans,ans1;

asm mov ax,a;

asm mov bx,b;

asm div bx;

asm mov ans1,dx;

asm mov ans,ax;

printf("The Remainder is : %d\nThe Quotient is : %d\n",ans1,ans);

}

**OUTPUT:**



