C-lab

1. Write a C program to sWap the numbers using third variable.

input:- a=10,b=5

output: a=5,b=10

ans:-

#include <stdio.h> #include <conio.h> void main()

{

clrscr();

int a=20,b=30,c; c=a; a=b; b=c;

printf(“a=%d,b=%d”,a,b); getch();

}

2.Write a C program to sWap the numbers Without using third variable.

input:- a=10,b=5

output: a=5,b=10

ans:-

#include<stdio.h> #include<conio.h>

void main()

{

clrscr();

int a=22,b=33; a=a+b;

b=a-b;

a=a-b;

printf(“a=%d,b=%d”,a,b);

getch();

}

3.Write a C program to perform addition of tWo numbers Without using + operator.

ans:-

#include<stdio.h> #include<conio.h>

void main()

{

clrscr();

int a,b,sum;

printf(“Enter the first number:”); scanf(“%d”,&a);

printf(“Enter the second number:”); scanf(“%d”,&b);

sum=a-(-b);

printf(“Sum is:%d”,sum);

}

4.Write a C program to make sum of the given digit.

input:- a=25 output:- 7 ans:-

**With While loop:-**

#include <stdio.h>

int main() { int num,sum=0,rem; printf("Enter a number:"); scanf("%d",&num);

while(num!=0)

{

rem=num%10; sum=sum+rem; num=num/10;

}

printf("Sum is:%d",sum);

return 0;

}

**Without using any loop:-**

#include <stdio.h>

int main() {

int num,sum=0,rem;

printf("Enter a number:");

scanf("%d",&num);

rem=num%10;

num=num/10;

sum=rem+num;

printf("Sum is:%d",sum);

return 0;

}