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:-

```c
#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:-

```c
#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:-

```c
#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:-

```c
#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;
}
```