SUM OF TWO N DIGIT NUMBERS

Program:-

#include<stdio.h>

#include<conio.h>

void main()

{

int a[10],b[10],d[10],c=0,r,k,l,n,i;

clrscr();

printf("\n Enter number of digits: ");

scanf("%d",&n);

printf("\n Enter the first number: \n");

for(i=0;i<n;i++)

scanf("%d",&a[i]);

printf("\n Enter the second number: \n");

for(i=0;i<n;i++)

scanf("%d",&b[i]);

for(i=(n-1);i>=0;i--)

{

if(i!=0)

{

k=a[i]+b[i]+c;

r=k%10;

c=k/10;

d[i]=r;

}

else

{

d[i]=a[i]+b[i]+c;

}

}

clrscr();

printf("\n Number a : ");

for(i=0;i<n;i++)

printf("%d",a[i]);

printf("\n +");

printf("\n Number b : ");

for(i=0;i<n;i++)

printf("%d",b[i]);

printf("\n -");

for(i=0;i<n;i++)

printf("-");

printf("--");

printf("\n answer is : ");

for(i=0;i<n;i++)

printf("%d",d[i]);

printf("\n -");

for(i=0;i<n;i++)

printf("-");

printf("--");

getch();

}

OUTPUT:-



