C program to print star:

#include<stdio.h>

void star(int);

int main()

{

int n,a;

printf("enter the number of times star to be printed\n");

scanf("%d",&n);

star(n);

return 0;

}

void star (int n)

{

int i,j;

for(i=1;n--;i++)

{

printf("\n");

for(j=n+1;j>0;j--)

{

printf("\*");

}

}

}

2.program to replacediagonal of a matrix with -1:

#include<stdio.h>

int main()

{

int a[3][3],i,j;

for(i=0;i<3;i++)

{

for(j=0;j<3;j++)

{

printf("enter the number\n");

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

}

}

for(i=0;i<3;i++)

{

for(j=0;j<3;j++)

{

if(i==j)

a[i][j]=-1;

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

}

printf("\n");

}

return 0;

}

3 buggy calculator:

#include<stdio.h>

int numsep(int );

int numdgt(int );

int numrev(int);

int main()

{

int t,a,b,x,y,value\_a=0,value\_b=0,sum,count,numdgt\_a,numdgt\_b,numrev\_a,numrev\_b;

printf("enter the number of test case\n");

scanf("%d",&t);

while(t--)

{

printf("enter the numbers\n");

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

numrev\_a=numrev(a);

numrev\_b=numrev(b);

numdgt\_a=numdgt(numrev\_a);

numdgt\_b=numdgt(numrev\_b);

while(numdgt\_a-->0||numdgt\_b-->0)

{

value\_a=numsep(a);

value\_b=numsep(b);

sum=value\_a+value\_b;

if(sum>10)

sum=sum%10;

printf("%d",sum);

}

}

return 0;

}

int numsep(int a)

{

int x,y;

for(;a>10;)

{

x=a%10;

return x;

y=a/10;

a=y;

}

if(a<10);

{

x=a;

return x;

}

}

int numdgt(int a)

{

int x,y,count=0;

for(;a;)

{

if(a>10)

{

y=a/10;

a=y;

count++;

}

else

{

count++;

break;

}

}

return count;

}

int numrev(int a)

{

int n,reversed,rem;

while(n!=0)

{

rem=n%10;

reversed=reversed\*10+rem;

n/=10;

}

return reversed;

}