Q1>Product of big numbers

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Q1>write a program to multiply 2 number(whose digits are more than 5 and less then 9) using only "int" data type.

Input:

take input in a single line in format

MXN

where digits of M and N are (9>d>5)

output show the answer after multiplication

example:

input:

20000X4000000

output:

80000000000

group 6 send correct answer: 12:32pm 25 april

group 6->Om Patil

has solved Q1>correct answer:

at 12:32pm 25 april 2021

Solution of Q0.

#include <stdio.h>

int main() {

int a, b;

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

int ah=a/10000, al=a%10000;

int bh=b/10000, bl=b%10000;

int h=ah\*bh, m=ah\*bl+al\*bh, l=al\*bl;

m+=l/10000;

l=l%10000;

h+=m/10000;

m=m%10000;

if (h!=0) {

printf("%d", h);

int pow=1000, dig=4;

while (dig>0 && m/pow==0) {

pow/=10;

dig-=1;

}

if (dig==0) {dig=1;}

for (int i=0; i<4-dig; i++) {

printf("0");

}

printf("%d", m);

pow=1000;

dig=4;

while (dig>0 && l/pow==0) {

pow/=10;

dig-=1;

}

if (dig==0) {dig=1;}

for (int i=0; i<4-dig; i++) {

printf("0");

}

printf("%d", l);

}

else if (m!=0){

printf("%d", m);

int pow=1000, dig=4;

while (dig>0 && l/pow==0) {

pow/=10;

dig-=1;

}

if (dig==0) {dig=1;}

for (int i=0; i<4-dig; i++) {

printf("0");

}

printf("%d", l);

}

else {

printf("%d", l);

}

}