Any Base addition:

import java.util.\*;

import java.math.\*;

public class Main{

public static void main(String[] args) {

Scanner scn = new Scanner(System.in);

int b = scn.nextInt();

int n1 = scn.nextInt();

int n2 = scn.nextInt();

int d = getSum(b, n1, n2);

System.out.println(d);

}

public static int getSum(int b, int n1, int n2){

// write ur code here

int sum=0;

int c=0;

int i=0;

int dig1,dig2;

int adig=0;

while(n1!=0 && n2!=0){

dig1=n1%10;

dig2= n2%10;

adig=(dig1+dig2)%b;

sum+=(c+adig)\*Math.pow(10,i);

c=(dig1+dig2)/b;

n1=n1/10;

n2=n2/10;

i++;

}

sum+=(c)\*Math.pow(10,i);

return sum;

}

}

Any Base Subtraction

import java.util.\*;

public class Main{

public static void main(String[] args) {

Scanner scn = new Scanner(System.in);

int b = scn.nextInt();

int n1 = scn.nextInt();

int n2 = scn.nextInt();

int d = getDifference(b, n1, n2);

System.out.println(d);

}

public static int getDifference(int b, int n1, int n2){

// write your code here

int ans=0;

int dig1,dig2;

int c=0;

int i=0;

int adig=0;

while(n1!=0 && n2!=0){

dig1=n1%10;

dig2=n2%10;

dig2=dig2-c;

if(dig2<dig1 ){

dig2=dig2+b;

c=1;

}

else {

dig2=dig2;

c=0;

}

adig=dig2-dig1;

ans+=adig \*Math.pow(10,i);

i++;

n1=n1/10;

n2=n2/10;

}

return ans;

}

}

Any Base Multiplication(run the code again and find the error)

import java.util.\*;

import java.math.\*;

public class Main{

public static void main(String[] args) {

Scanner scn = new Scanner(System.in);

int b = scn.nextInt();

int n1 = scn.nextInt();

int n2 = scn.nextInt();

int d = getDifference(b, n1, n2);

System.out.println(d);

}

public static int getDifference(int b, int n1, int n2){

// write your code here

int ans=0;

int p=1;

while(n2>0){

int d2=n2%10;

n2=n2/10;

int sprd=getproductsingledigit(b,n1,d2);

ans=getSum(b,ans,sprd \*p);

p=p\*10;

}

return ans;

}

public static int getproductsingledigit(int b,int n1,int d2){

int p1=0;

int c=0;

int i=0;

while(n1>0 || c>0){

int d1=n1%10;

n1=n1/10;

int d=d1\*d2 +c;

c=d/b;

d=d%b;

p1+= d\*Math.pow(10,i);

i++;

}

return p1;

}

public static int getSum(int b, int n1, int n2){

int sum=0;

int c=0;

int i=0;

int dig1,dig2;

int adig=0;

while(n1!=0 && n2!=0){

dig1=n1%10;

dig2= n2%10;

adig=(dig1+dig2)%b;

sum+=(c+adig)\*Math.pow(10,i);

c=(dig1+dig2)/b;

n1=n1/10;

n2=n2/10;

i++;

}

sum+=(c)\*Math.pow(10,i);

return sum;

}

}