→ 2:00pm

Decimal To Any Base (17 june)

Problem

Submissions

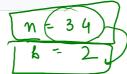
Leaderboard

Discussions

1. You are given a decimal number n.

2. You are given a base b.

3. You are required to convert the number n into its corresponding value in base b.



Input Format

A number n A base b

Constraints

0 <= d <= 512 2 <= b <= 10

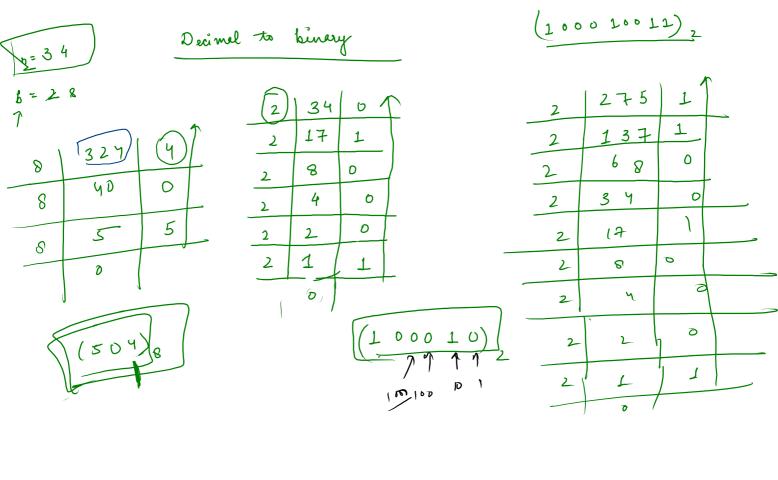
Output Format

A number representing corresponding value of n in number system of base b

Sample Input 0

Sample Output 0

100010



Int ans = 0, power=1

while
$$(n > 0)$$
 {

remainder.

 $f \circ m = h/?$

```
rem = 2%2 = 0
                                                                                                           ren= 1º/02=1
  public static int decimalToAnyBase(int n, int b){
                                                                  and = 10+ 10000 x 0 = 10
     int ans=0,power=1;
                                                                                                         ans = 10 + 10 0000+1
                                                                   n-212=1
     while(n>0){
         int rem = n%b;
         ans = ans+(power*rem);
        n/=b; -
         power*=10;
      return ans;
public static void main(String[] args) {
      /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should
                                                                                          aus = 100010
     Scanner scn = new Scanner(System.in);
   int n = scn.nextInt();
      int b = scn.nextInt();
                                                                                                               820
                                                            34 70
                                                                                                                 run = 8°/02=0
     System.out.println(decimalToAnyBase(n,b));
                                                                     Rem = 34 %2 = 0
                                                                                                                  aux = 10+ 100 x0 = 10
      n-34
                                                                                                                   01-8/2-4
       6 = 2
                                                                      n = 34/2 = 17
                                                                                                                 4 70
                                                                                                                     ren = 4 % 2 = 0
```

17 >0

run = 17%2=1

n= 17/2=8

ana = 0 + 10 x 1 = 010

ans = 10 + 100 0x0=10

n=4/2=2

2 70

public class Solution {

}

10 Any Base To Decimal (17 june)

Problem

Submissions

Leaderboard

Discussions

- 1. You are given a number n.
- 2. You are given a base b. n is a number on base b.
- 3. You are required to convert the number n into its corresponding value in decimal number system.

Input Format

A number n A base b

Constraints

0 <= d <= 1000000000 2 <= b <= 10

Output Format

A decimal number representing corresponding value of n in base b.

Sample Input 0

111001 2

ample Output 0

Deci med

= 32 + 16 + 8 + 0 + 0 + 1

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8° × 8 = 811

81 * 8 = 82

$$\frac{2}{8 \times 5} + \frac{8}{4} \times 0 + \frac{1}{8 \times 4}$$

320+4 = 324

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
6
     public static int anyBaseToDecimal(int n,int b){
         int ans = 0,power=1;
         while(n>0){
                                                                          5+5+7
             int rem = n%10;
             ans = ans + (rem*power);
             n/=10;
             power *=b;
16
         return ans;
17
18
19
     public static void main(String[] args) {
         /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
         Scanner scn = new Scanner(System.in);
         int n = scn.nextInt();
         int b = scn.nextInt();
         System.out.println(anyBaseToDecimal(n,b));
26
27 }
                                                                                        base to any base
                                                                           Any base to Perimal
```

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Laliguage, Java o

```
public class Solution {
   public static int anyBasetoDecimal(int n,int b){
       int ans=0, power =1;
       while(n>0){
                                                                       public static void main(String[] args) {
           int rem = n%10;
                                                                           /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named
           ans = ans+(power*rem);
                                                                           Scanner scn = new Scanner(System.in);
           n/=10;
                                                                           int n = scn.nextInt();
           power*=b;
                                                                           int b1 = scn.nextInt():
                                                                           int b2 = scn.nextInt();
       return ans;
                                                                           int ans1 = anyBasetoDecimal(n,b1);
                                                                           int finalAnswer = decimalToAnyBase(ans1,b2);
                                                                           System.out.println(finalAnswer);
   public static int decimalToAnyBase(int n, int b){
       int ans=0, power = 1;
       while(n>0){
           int rem = n%b:
           ans = ans+(power*rem);
           n/=b;
           power*=10;
       return ans:
                                                                                          Any Base To Devinal
               thy Base To Any Base
La Any Base To Decimal
Un Decimal To Day Bad
                                                                                                                                                  decimalto Any Base
```