

Yahoo frequently asked Programs in Placements

1. In a village in each family they give birth to children till they get a boy. IF girl child they try again. What is the ratio of boys to girls.
2. $2n+1$ numbers in a list except for 1 num all had duplicates, how to find duplicate in $O(n)$
3. In 1000 wine bottles stack 10 are poisoned given 10 rats what is the minimum number of tries to find the poisoned one. Rat dies once it licks the poisoned wine.
4. Write 1,3,6,4 using +,-,*,/ to get 24 (no repeat of numbers)
5. Which is the DS used in dictionary mode in mobile (t9)
6. Which is DS used for chess program...to predict move each and every time..
7. There are \$1070 dollars how to split them into bags such that asked for any denomination from \$1 to \$1070 , u must b able to give without opening bag...

Coding and Interview for Yahoo Placement 2010

In IIT Guwahati

Coding Round

You will be given 2 hour almost. If you on the way to solve the problems they will allow you more time to code and execute. One thing also that if your code is not working and u tell them the algorithms and write down all steps.. I am sure that they will call you for the Interview.

1. You have given a number 123456789 and two opearators + and *. You can use this two operators as many times u want. But you cant change the sequence of the number given there. The evaluated value is 2097.

e.g. $1+2+345*6+7+8+9=2097$

You have to find all the such **expressions** that evaluates and value is equal to the given value. You can use concatenation of numbers like 345 is concatenated there.

Please remember that You have to find all Such expressions. And write C/C++/Java code for that
Ans:

Very brief idea i a, writing here...

two main things you have to consider:

1. No other way is there other than **brute force**
2. Write the algorithm first before starting the coding.

find the length of the given string.

So u go for length 1 2 3 4.. L(here 4 for the example)

First generated

->1+
->(1*
->12+
->(12*
->123+
->(123*
->1234+
->(1234*

For each 8 stage again go for 1,2,3,4...L to generate all possible expression by calling recursive functions. So at last you will have very large number of expressions.

Evaluate all the multiplications first and then the additions.

If the expressed value is equal to the given value. Print those.

I think just very brief idea i write here. You try to solve the code.