Next.

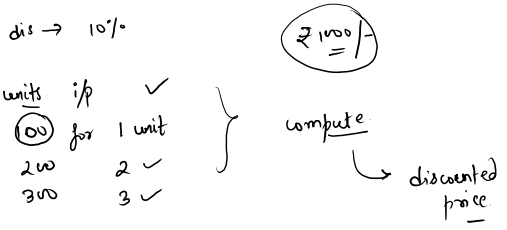
- if - else
- if else if else. }
- Hackerrank.
- Complex. TT.

Today:

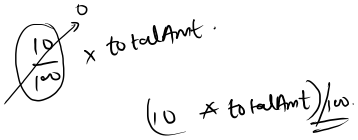
- Hacker Rank
- Nested if/else }.
- Solve problems.

Shop Discount!

A shop will give a discount of 10% on the total cost if the cost of the quantity purchased is more than 1000. a. Ask user for the number of units b. Suppose, one unit will cost 100. c. Judge and print total cost for the user in the integer format.



1. i/p → units
2. to calculate total amt.
3. if discount applicable then compute.
4. print (result).




```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        int units = scn.nextInt();

        int totalAmt = 100 * units;

        if(totalAmt > 1000){
            int discount = (totalAmt * 10) / 100;
            totalAmt = totalAmt - discount;
        }

        System.out.println(totalAmt);

    }
}
```

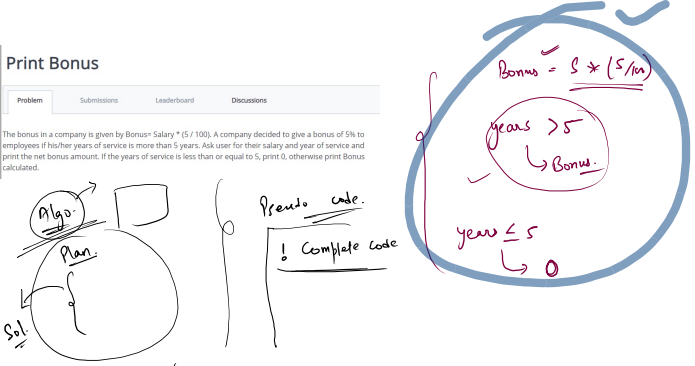
Rules for naming a variable. (Do not do this)

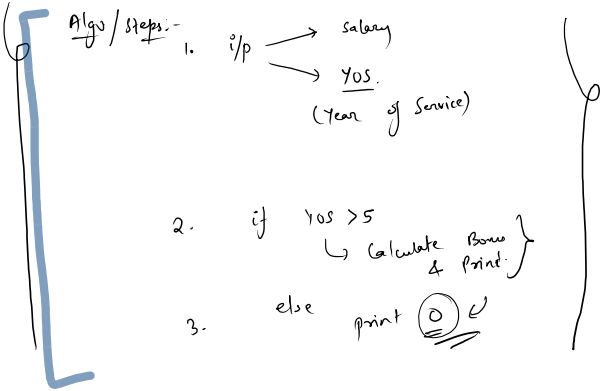
1. we can't start with digit

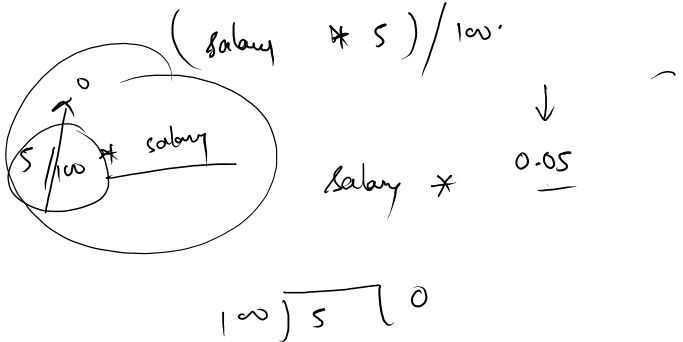
Print Bonus

Problem | Submissions | Leaderboard | Discussions

The bonus in a company is given by Bonus= Salary * (5 / 100). A company decided to give a bonus of 5% to employees if his/her years of service is more than 5 years. Ask user for their salary and year of service and print the net bonus amount. If the years of service is less than or equal to 5, print 0, otherwise print Bonus calculated.







Nested if else

if /else

```
if ( condn )
{
    body
}
else{
}
```

```
if ( condn )
{
    if ( )
    {
    }
    else
}
```

condn.

```
if
    if
if
(
```

```
if ( age > 18)
{
    if ( age % 2 == 0)
    {
    }
}
```

Print the oldest among three

Problem | Submissions | Leaderboard | Discussions

There are three friends A,B,C. You will be given the ages of these three friends as an integer input, you have to print the same of the oldest friend among them.

A = 10
B = 20
C = 30
⇒ C

Steps:

1. i/p A B C

2.
1. A > B → A > C → A

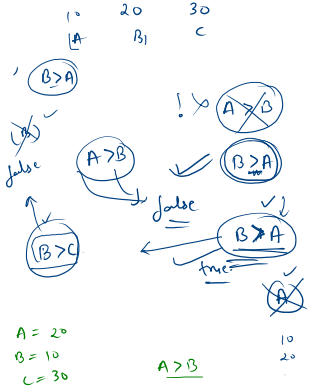
A > C
A > B.

2. else if (B > A)
if (B > C) → B
false.

3. else → C

```
Scanner scn = new Scanner(System.in);
int A = scn.nextInt();
int B = scn.nextInt();
int C = scn.nextInt();

if( A > B  ){
    if(A > C){
        System.out.println("A");
    }
    else{
        System.out.println("C");
    }
}
else{
    if( B > C ){
        System.out.println("B");
    }
    else{
        System.out.println("C");
    }
}
```




```
Scanner scn = new Scanner(System.in);
int A = scn.nextInt();
int B = scn.nextInt();
int C = scn.nextInt();

if( A > B  ){
    if(A > C){
        System.out.println("A");
    }
    else{
        System.out.println("C");
    }
}
else{
    if( B > C ){
        System.out.println("B");
    }
    else{
        System.out.println("C");
    }
}
```