

Nested If - Else
 ↳ logical operator
 ↳ Challenges

Print Bonus

Problem

Submissions

Leaderboard

Discussions

The bonus in a company is given by $Bonus = \text{Salary} * (5 / 100)$. 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.

Input Format

For each test case, you will be given Salary of the user in the first line as an integer input. Years of service in the second line as an integer input.

Sample Input 0
 salary
 20000
 6
 ✓
 Sample Output 0
 1000

$6 > 5 \rightarrow \text{true}$

$$\text{Bonus} = \frac{\text{Salary} * 5}{100};$$

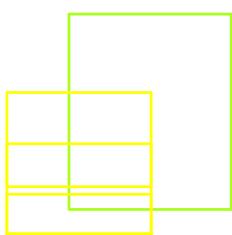
$$= \frac{\text{Salary} * 5}{100}$$

$$= 1000;$$

print bonus

$\rightarrow \text{else } \leq 5$

print 0;



```

    /k Enter your code here. Read input from
Scanner scn = new Scanner(System.in);
int salary = scn.nextInt(); → 35000
int exp = scn.nextInt(); 8
if(exp > 5){ → true 35000 * 5 / 100 1850
    int bonus = (salary * 5)/100;
    System.out.println(bonus); ✓ 1850
}else{
    System.out.println(0); ✓
}

```

Memory



Print the oldest among three

Problem

Submissions

Leaderboard

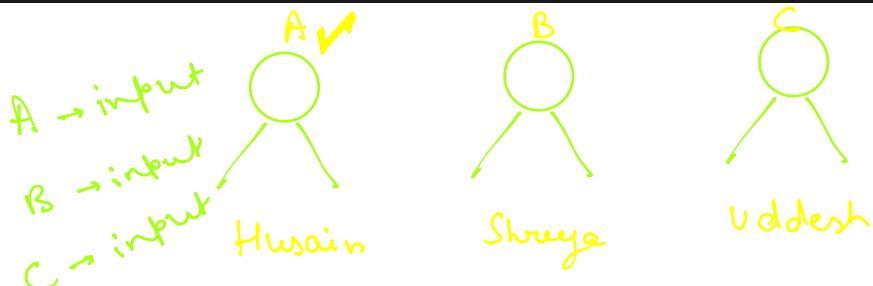
Discussions



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.

Input Format

For each test case, you will be given Age of A in the first line as an integer input Age of B in the second line as an integer input Age of C in the third line as an integer input



```

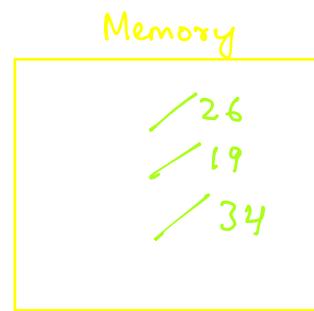
    if   A > B   A > C
        print A
    else if B > A && B > C
        print B
    else
        print ("C")

```

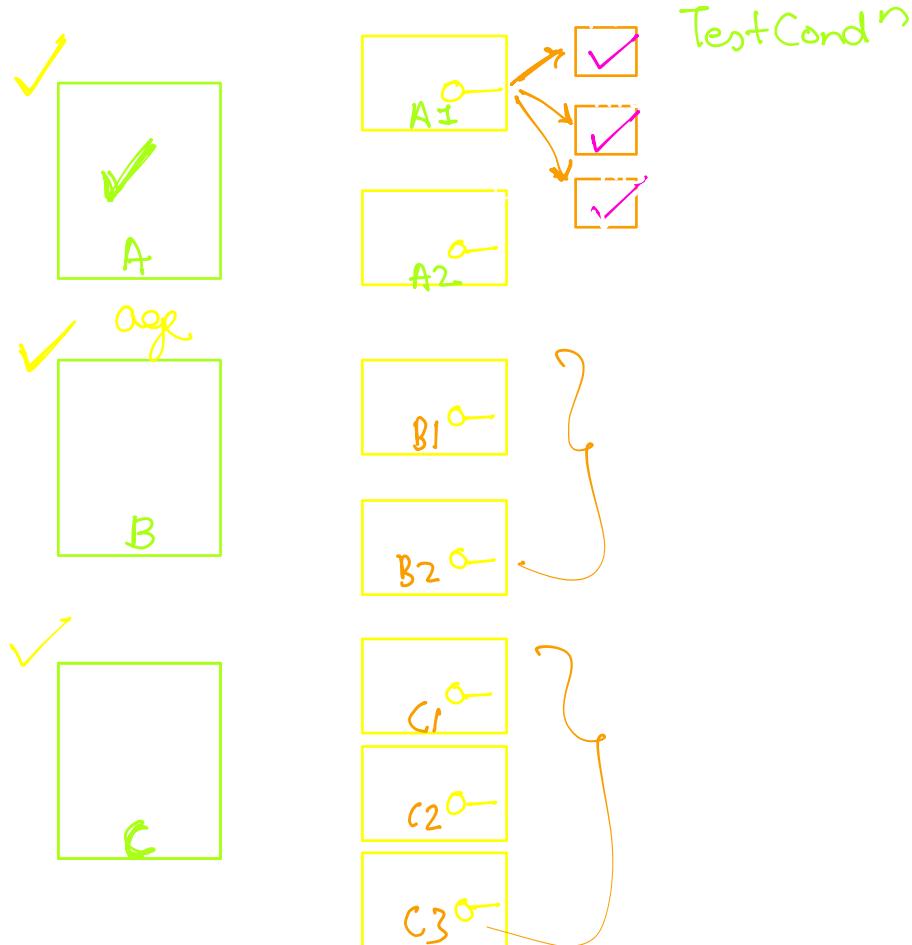
```

public static void main(String[] args) {
    /* Enter your code here. Read input from
    Scanner scn = new Scanner(System.in);
    int A = scn.nextInt();
    int B = scn.nextInt();
    int C = scn.nextInt();
    if(26 > 19 & 26 > 34)
        System.out.println("A"); → A ✓
    }else if(19 > 26 & 19 > 34)
        System.out.println("B"); ✗
    }else{
        System.out.println("C"); ✓ → 34 → C
    }
}

```



Nested If - Else



if (Door A 1) { if , else if , else
} else {
 }

if ()
else

if ()
else if ()
else ()

HW_Rich Adult Young

Problem

Submissions

Leaderboard

Discussions

Take the age and salary of a person as an integer input. If the age is above 40 then

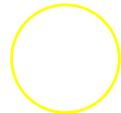
a. If the salary is greater than or equal to 30,000 then print "You are rich and adult"

b. Else print "You are an adult"

Else if age is less than or equal to 40

a. If the salary is greater than or equal to 12,000, then print "You are rich and young"

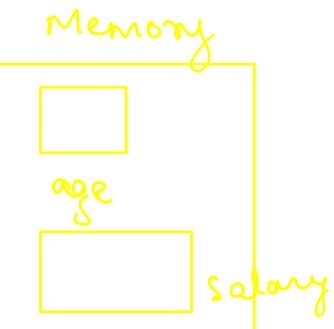
b. Else print "You are young"



```

public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    Scanner scn = new Scanner(System.in);
    int age = scn.nextInt(); → 39
    int salary = scn.nextInt(); → 20000
    if(age > 40){ → 39 > 40
        if(salary >= 30000){
            System.out.println("You are rich and adult");
        }else{
            System.out.println("You are an adult");
        }
    }else{ → 20000 >= 12000
        if(salary >= 12000){ → ✓
            System.out.println("You are rich and young");
        }else{
            System.out.println("You are young");
        }
    }
}

```



Print final z

Problem

Submissions

Leaderboard

Discussions

Take input three numbers x, y, z as an integer input ✓✓✓

Then if the value of x is greater than or equal to 20,

a. If the value of y is greater than or equal to 100 then add 100 to the value of z.

b. If the value of y is less than 100 and greater than or equal to 50, then add 50 to the value of z.

c. Else add 10 to the value of z.

Else if the value of x is less than 20

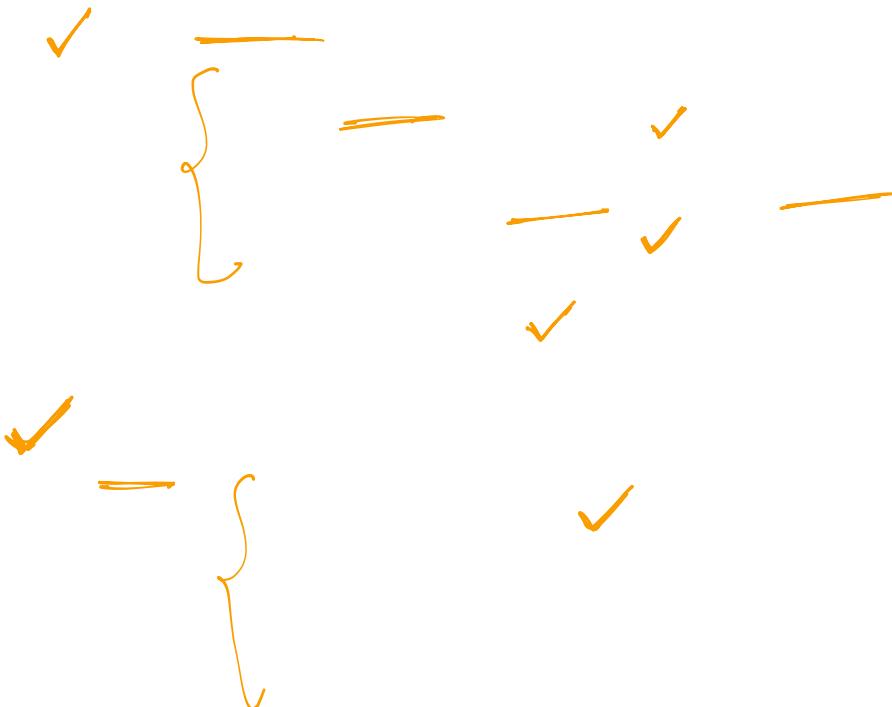
a. If the value of y is greater than or equal to 100 then add 3 to the value of z.

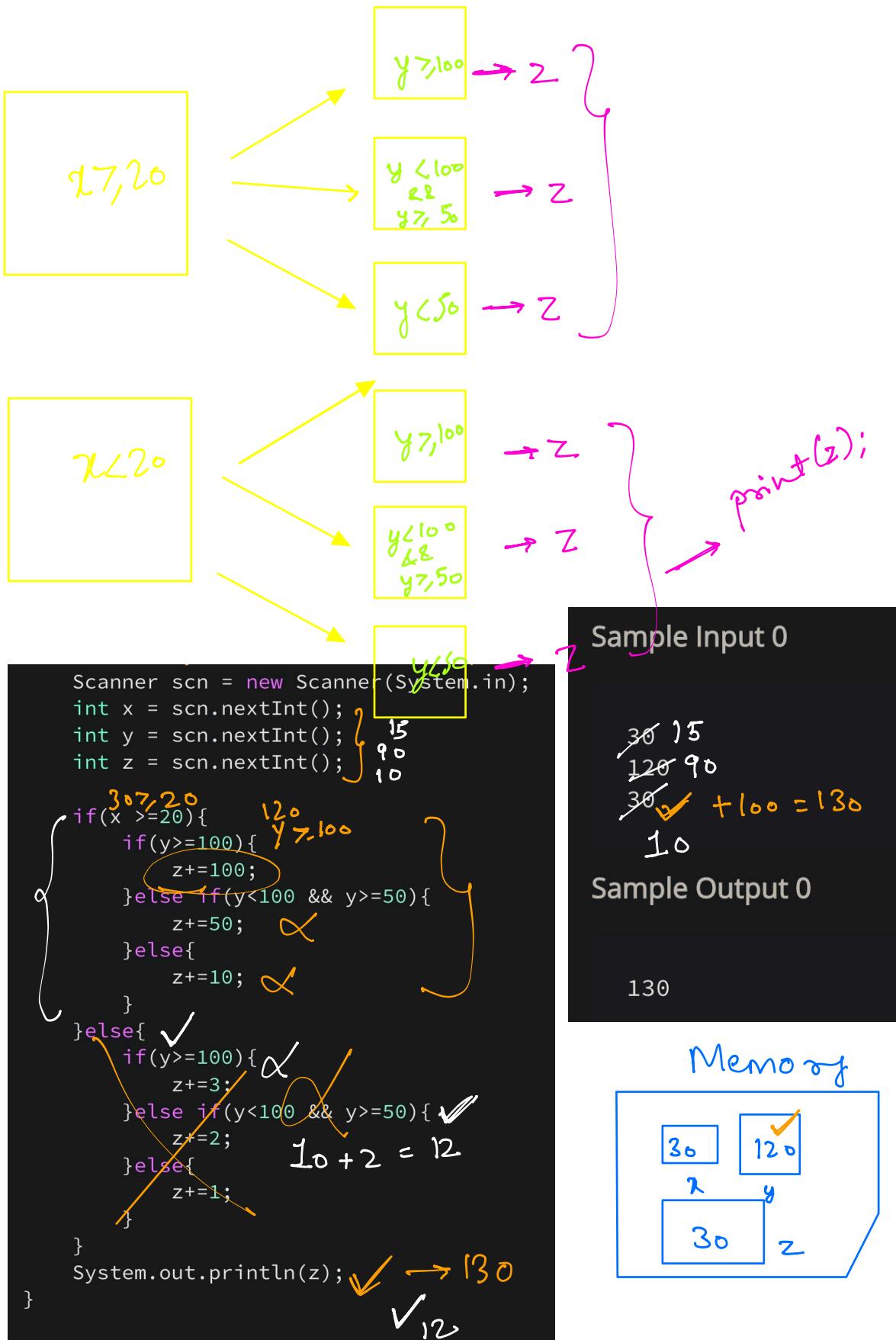
b. If the value of y is less than 100 and greater than or equal to 50, then add 2 to the value of z.

c. Else add 1 to the value of z.

Print the final value of z as an integer output in the end.

$x, y, z \rightarrow \text{input}$





Tell about x y

Problem

Submissions

Leaderboard

Discussions

Take in two inputs x and y from the user, and then

- a. If the value of x is greater than or equal to 59 and y is greater than or equal to 10, then print "X is greater than or equal to 59 and y is greater than or equal to 10"
- b. If the value of x is greater than or equal to 50, and y is less than 10, then print "X is greater than or equal to 50 and y is less than 10"
- c. Else print "None of the condition matches"

$x > 59 \& y > 10$

print

$x > 50 \& y < 10$

print

else print



```
public static void main(String[] args) {  
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named  
    Scanner scn = new Scanner(System.in);  
    int x = scn.nextInt();  
    int y = scn.nextInt();  
  
    if(x >= 59 && y >= 10){  
        System.out.println("X is greater than or equal to 59 and y is greater than or equal to 10");  
    }else if(x >= 50 && y < 10){  
        System.out.println("X is greater than or equal to 50 and y is less than 10");  
    }else{  
        System.out.println("None of the condition matches");  
    }  
}
```

Print the final incremented salary

Problem

Submissions

Leaderboard

Discussions

Take in three inputs age, salary, experience, then

a. If age is greater than 60 and salary is greater than 20,000 and experience is greater than 20 years, then add 5000 to the salary.

b. If age is greater than 40 and salary is greater than 15,000 and experience is greater than 10 years, then add 2000 to the salary.

c. If age is greater than 30 and salary is greater than 10,000 and experience is greater than 5 years, then add 1000 to the salary.

d. Otherwise add 500 to the salary.

In the end Print the final salary.

age > 60 && salary > 20k && exp > 20
salary += 5000;

age > 40 && salary > 15k && exp > 10
salary += 2000;

age > 30 && salary > 10 && exp > 5
salary += 1000;

else → salary += 500;

print (salary);

```

Scanner scn = new Scanner(System.in);
int age = scn.nextInt();
int sal = scn.nextInt();
int exp = scn.nextInt();

if(age > 60 && sal > 20000 && exp > 20){
    sal +=5000; ✓ 25000 + 5000 = 30000
}else if(age > 40 && sal > 15000 && exp > 10){
    sal +=2000;
}else if(age > 30 && sal > 10000 && exp > 5){
    sal +=1000;
}else{
    sal +=500;
}
System.out.println(sal); ✓

```

