

Conditional Statements.

→ $\left[\begin{array}{l} \text{if} \\ \text{else if} \\ \text{else} \end{array} \right.$

Print Bonus

$bonus = 5\% \text{ sal.}$

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.

$yoe > 5$
 $\hookrightarrow bonus \rightarrow 5\% \text{ sal}$

Sample Input 0

20000
6

1. $\left. \begin{matrix} \text{sal} \\ \text{yoe} \end{matrix} \right\} \rightarrow \text{i/p}$

Sample Output 0

1000

eg. $\text{sal} = 20000$
 $\text{yoe} = 6$

$6 > 5$
 $\hookrightarrow 5\% \times 20000 = 1000$

eg. $\text{sal} = 20000$
 $\text{yoe} = 4$
 $\text{yoe} \leq 5 \rightarrow 0$

eg. $sal = 20000$
 $yoe = 6$

$6 > 5$
 $bonus = 1000$

1000

eg. $sal = 20000$
 $yoe = 4$

475 ✗

0

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8
9         int sal = scn.nextInt();
10        int yoe = scn.nextInt();
11
12        if(yoe > 5){
13            //print bonus
14            int bonus = (5*sal)/100;
15            System.out.println(bonus);
16        }else{
17            System.out.println("0");
18        }
19
20    }
21
22 }
```

Nested - if - else.

↳ if else
inside
if else-

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



```
public static void main(String[] args) {  
    int n = 8;  
  
    if(n % 2 == 0){  
        if(n > 10){  
            System.out.println("even and more than 10");  
        }  
        else{  
            System.out.println("even and less than 10");  
        }  
    }  
    else{  
        System.out.println("odd");  
    }  
}
```

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**.

Sample Input 0

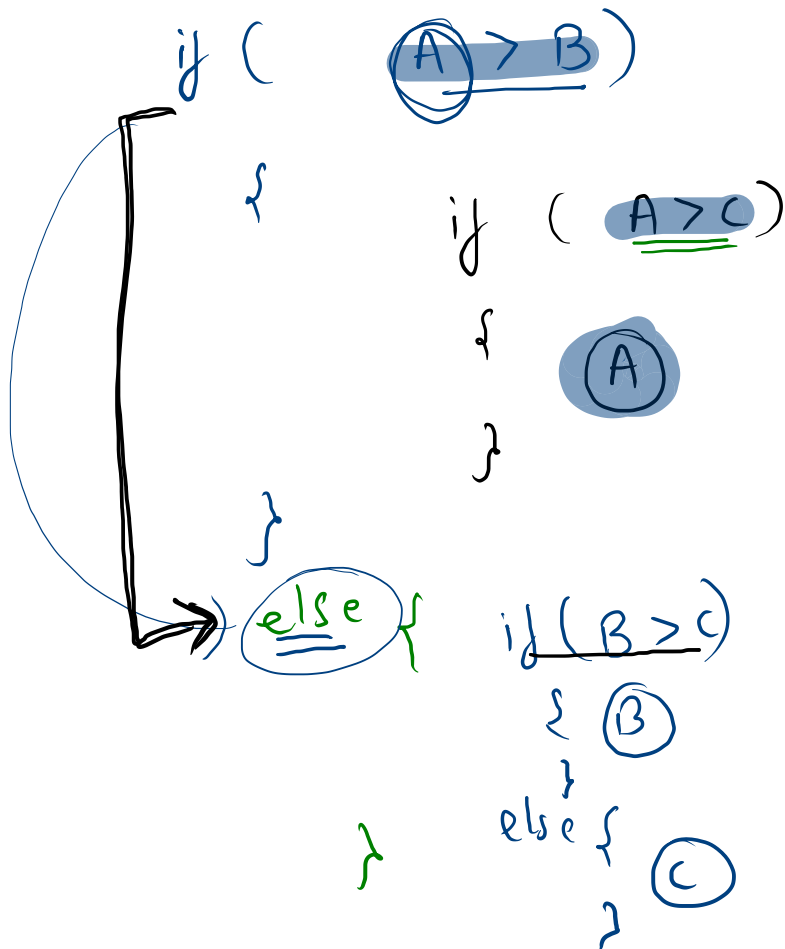
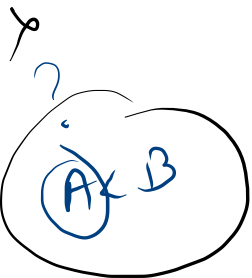
10
20
30

Sample Output 0

C

A → 10
B → 20
C → 30
✓
↓
C
=

A → 12
✓ B → 40
C → 22
↓
B



else x
A

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         int A = scn.nextInt();
9         int B = scn.nextInt();
10        int C = scn.nextInt();
11
12        if(A > B){
13            if(A > C){
14                System.out.println("A");
15            }
16        }
17        else{
18            if(B > C){
19                System.out.println("B");
20            }
21            else{
22                System.out.println("C");
23            }
24        }
25    }
26 }
```

A → 10

B → 10

C → 10

10 > 10

10 > 10

Ⓒ

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**

1. i/p. { age
sal

if

else

if (age > 40)
else age ≤ 40

else if

```


1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         int age = scn.nextInt();
9         int sal = scn.nextInt();
10
11         if(age > 40){
12             if(sal >= 30000){
13                 System.out.println("You are rich and adult");
14             }
15             else{
16                 System.out.println("You are an adult");
17             }
18         }
19         else if(age <= 40){
20             if(sal >= 12000){
21                 System.out.println("You are rich and young");
22             }else{
23                 System.out.println("You are young");
24             }
25         }
26     }
27 }

```

age 32

sal 25000

Pro tip:

 pair programming

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,

- If the value of y is greater than or equal to 100 then add 100 to the value of z .
- If the value of y is less than 100 and greater than or equal to 50, then add 50 to the value of z .
- Else add 10 to the value of z .

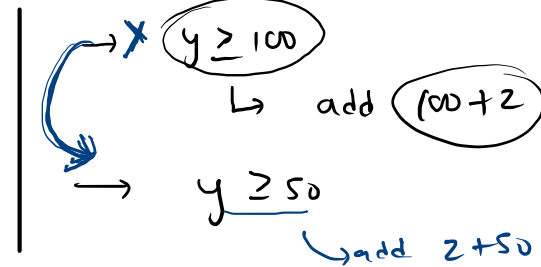
Else if the value of x is less than 20,

- If the value of y is greater than or equal to 100 then add 3 to the value of z .
- If the value of y is less than 100 and greater than or equal to 50, then add 2 to the value of z .
- Else add 1 to the value of z .

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

x
 y
 z

if $\rightarrow x \geq 20$



\rightarrow else

$z += 10$

else $x < 20$

$y \geq 100 \rightarrow$ add 3
 $y \geq 50 \rightarrow$ add 2
else \rightarrow add 1

```
if (even)
{
else
{ ✓
}
```

```
if (even)
{
}
elseif (odd)
{
}
```

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         int x = scn.nextInt();
9         int y = scn.nextInt();
10        int z = scn.nextInt();
11
12        if(x >= 20){
13            if(y >= 100){
14                z = z + 100;
15            }
16            else if(y >= 50){
17                z = z + 50;
18            }
19            else{
20                z = z + 10;
21            }
22        }
23        else if(x < 20){ //u can write else also
24            if(y >= 100){
25                z = z + 3;
26            }
27            else if(y >= 50){
28                z = z + 2;
29            }
30            else{
31                z = z + 1;
32            }
33        }
34
35        System.out.println(z);
36    }
37 }
```

runner up 3

Sample Input 0

```
120
11
400
```

Sample Output 0

```
120
```

multiple if else.

Problem

Submissions

Leaderboard

Discussions

Three numbers A, B and C are the inputs. Write a program to find **second largest** among them.

Input Format

For each test case, you will get

A in the first line as an integer input,

B in the second line as an integer input,

C in the third line as an integer input.

120 400 11

*
max = 400

*
min = 11

]

120 + 400 + 11

- max - min

eg. 10
 20
 30

~~10~~ + 20 + ~~30~~ - ~~30~~ - ~~10~~

```
1 public class Main
2 {
3     public static void main(String[] args) {
4         int a = 10;
5         int b = 20;
6         int c = 8;
7
8         // int max = Math.max(a , Math.max(b,c));
9         int min = Math.min(a , Math.min(b,c));
10
11         System.out.println(min);
12
13
14
15     }
16 }
17
```

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         int x =scn.nextInt();
9         int y =scn.nextInt();
10        int z =scn.nextInt();
11
12        int max = Math.max(x, Math.max(y,z));
13        int min = Math.min(x, Math.min(y,z));
14
15        System.out.println(x + y + z - max - min);
16
17    }
18 }
```