FS - 11 Days Java Basics Module - 1 10095 (for 100 ps) variables & datatypes Input & output operators (anithmetic, logical, componison) Precourse (14 days) Archit characters Agganual If-else statements Rahul Smings

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2000 & Problems on Leefcode, GFG, Hackerrant, Pepcoding 1.5 yr (10-11 months)

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.

```
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 totalCost = units * 100;
        if(totalCost > 1000){
            totalCost = totalCost * 90 / 100;
        System.out.println(totalCost);
```

units = 5total cost = 5x100 = 500 50071000false

units = 20
total cost = 20×100 = 2000
2000 > 1000

+me

Print Bonus

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.

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int salary = scn.nextInt();
    int years = scn.nextInt();
    if(years > 5){
        int bonus = salary * 5 / 100;
        System.out.println(bonus);
    } else {
        System.out.println("0");
```

Attendance minute by? minute

salary = 25 = 25+5 / 100 = 725 / 100 Print Oldest among three

est A=10, B=20, C=30 => "c" 92 A= 2°, B=30, C=10 => "B" egg A=30, B=5, C=15 => "A"

H-else-if ladder

if (a76 & a7c) { System. out println(""); } else y (b>c) { Syso ("B"); } else { Syso("c"); }

> 20730 = false

 $\frac{3}{2}$

92 A= 20, B=30, C=10

TATB & ATC 20730 & ? Habe & & ? = false

20 B7 C 30710 Ditures

hadder

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int a = scn.nextInt();
    int b = scn.nextInt();
    int c = scn.nextInt();
    if(a > b \&\& a > c)
        System.out.println("A");
    else if(b > c)
        System.out.println("B");
    else
        System.out.println("C");
```

nested if else

```
public static void main(String[] args) {
    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");
```

```
public static void main(String[] args) {
    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");
```

A = 20, B = 30, C = 15

1. 20 730

Ax10, Bx20, C=30 egg, A=20, Bx5, Cx60 1. A 7 B A7B 10720 2075 false true J. B>C A 7 C 20730 20710 false fre 9. 4 C 4 3. " A"

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int a = scn.nextInt();
    int b = scn.nextInt();
    int c = scn.nextInt();

    String res = (a > b) ? ((a > c) ? "A" : "C") : ((b > c) ? "B" : "C");
    System.out.println(res);
}
```

using ternary operator (not intuitive)

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.

H(2 7/20) (y7/100) 2=2+100; else if (y7/50) 2=2+50; if (47/100) 2=2+3; else if (47/50) 2=2+1; else 2=2+1; System.out (pninth (e);

4e 110 20 7, 20 green 1207/100 100+30=130 yellow 22720 47/100 => 55 7/50 47/50 => 55 7/50 drow

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
    int z = scn.nextInt();
    if(x >= 20)
        if(y >= 100) System.out.println(z + 100);
        else if(y >= 50) System.out.println(z + 50);
        else System.out.println(z + 10);
    else
        if(y >= 100) System.out.println(z + 3);
        else if(y >= 50) System.out.println(z + 2);
        else System.out.println(z + 1);
```