Print the final incremented salary

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.

if (age>60 fk sal>:

sal = sal +

else if

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int age = scn.nextInt();
           int sal = scn.nextInt();
10
           int exp = scn.nextInt();
11
12
          if(age > 60 && sal > 20000 && exp > 20){
               sal = sal + 5000;
13
          }else if(age > 40 && sal > 15000 && exp > 10){
14
               sal = sal + 2000;
          }else if(age > 30 && sal > 10000 && exp > 5){
16
               sal = sal + 1000;
18
           }else{
19
               sal = sal + 500;
21
22
23
          System.out.println(sal);
24
25 }
```

Print final z given xyz

Take in x, y, z as integer inputs from the user,

- a. If x is greater than or equal to 20 and z is less than 100 then add 200 to the value of z.
- b. If x is greater than or equal to 10, or y is less than 50 Then add 100 to the value of z.

In the end print the final value of **z** as an integer output.

x > = 20 Al z < 100(x) = 2 + 200

Sample Input 0

30

Sample Output 0

280

Print if divisible by both 3 and 4

Print Divisible by 3 and 4 if the given integer is divisible by both 3 and 4

Print Not Divisible if the given integer is not divisible by both 3 and 4.

Sample Input 0

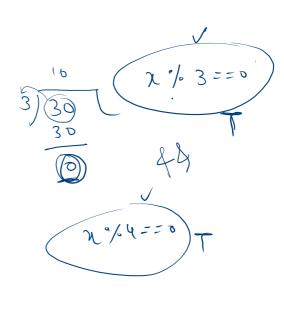
32

$$\chi = 30$$

Sample Output 0

Not Divisible

$$40/3 = \frac{9}{30/3} = = 10$$
 $31/3 = = \frac{10}{30}$



Submitted Code

```
Language: Java 8
 1 import java.io.*;
 2 import java.util.*;
 3
4 public class Solution {
 6
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
8
           int x = scn.nextInt();
9
10
           if(x \% 3 == 0 \&\& x \% 4 == 0){
11
               System.out.println("Divisible by 3 and 4");
12
           }else{
13
               System.out.println("Not Divisible");
14
15
       }
16 }
```

Character data type. char. char (ch) Quotes → Mello World! char int triffe rent alphabets

Stream of char nous a stoing. // ! Hello world!;

char Switch. More function related to string. String input.

```
1 import java.util.Scanner;
2 public class Main
3 {
4      public static void main(String[] args) {
5          Scanner scn = new Scanner(System.in);
6          String s = scn.next();
8          System.out.println("Your String: " + s);
10      }
11     }
12
```

ilp before a space

```
import java.util.Scanner;
public class Main

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

        String s = scn.nextLine();

        System.out.println("Your String: " + s);

    }

I am learning, Java
Your String: I am learning, Java
```

functions.

String = "Aman";

"Aman;

(8). char At (3);

.charAt(idx);

```
import java.util.Scanner;
public class Main

{
    public static void main(String[] args) {
        String s = "Aman";
        System.out.println(s.charAt(3));
    }
}
```



```
Input

Exception in thread "main" java.lang.StringIndexOutOfBoundsException: String index out of range: 8

at java.base/java.lang.StringLatinl.charAt(StringLatinl.java:47)

at java.base/java.lang.String.charAt(String.java:693)

at Main.main(Main.java:6)
```

```
char i/p.

char ch = (scn.next()), charAt(0);
```

```
1 import java.util.Scanner;
 2 public class Main
        public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           char ch = scn.next().charAt(0);
           System.out.println("Character is : " + ch);
        }
12 }
```

Aman Character is : A

```
1 import java.util.Scanner;
  public class Main
      public static void main(String[] args) {
          int val = 2;
          switch(val){
                                                   //if(val == 3)
               case 1:
                   System.out.println("One");
                  break;
               case 2:
                  System.out.println("Two");
                  break;
                  System.out.println("Three");
                  break;
                  System.out.println("Something else");
      }
```

Grade the student-2

You are given a character ch which represents a grade of a student in a course. The valid grades are A, B, C, and F. Your task is to print a message based on the grade using a switch statement.

If the grade is A, print Excellent!.

If the grade is B, print Well done!.

If the grade is C, print You passed!.

If the grade is F, print Better luck next time!.

If the grade is not one of the valid options, print Invalid grade.

```
1 import java.io.*;
 2 import java.util.*;
4 public class Solution {
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
 8
           char ch = scn.next().charAt(0);
 9
10
           switch(ch){
               case 'A':
                   System.out.println("Excellent!");
13
                   break;
               case 'B':
                   System.out.println("Well done!");
                   break;
               case 'C':
18
                   System.out.println("You passed!");
                   break;
20
               case 'F':
21
                   System.out.println("Better luck next time!");
22
                   break;
23
               default:
                  System.out.println("Invalid grade");
24
25
26
27
28 }
```

scn. next();

Switch Calculator 1

You are given integer inputs N, a and b. perform operations on a and b for different value of N like:-

If value of N is 10 -> a + b;

If value of N is $20 \rightarrow a - b$;

If value of **N** is **30** -> **a** * **b**;

If value of **N** is **40** -> **a % b**; If value of N is 50 -> a / b;

else print Enter a valid number.

```
1 import java.io.*;
 2 import java.util.*;
 3
 4 public class Solution {
 5
       public static void main(String[] args) {
 6
           Scanner scn = new Scanner(System.in);
 8
           int n = scn.nextInt();
 9
           int a = scn.nextInt();
10
           int b = scn.nextInt();
11
12
13
           switch(n){
14
               case 10:
15
                    System.out.println(a+b);
16
                   break;
17
               case 20:
18
                   System.out.println(a-b);
19
                   break;
20
               case 30:
21
                    System.out.println(a*b);
22
                   break;
23
               case 40:
24
                    System.out.println(a%b);
25
                   break;
26
               case 50:
27
                    System.out.println(a/b);
28
                   break;
29
               default:
30
                   System.out.println("Enter a valid number");
31
32
       }
33 }
```

Solution. java JVM Solution java 05 - Mac/Windows. Solution. Upp