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**

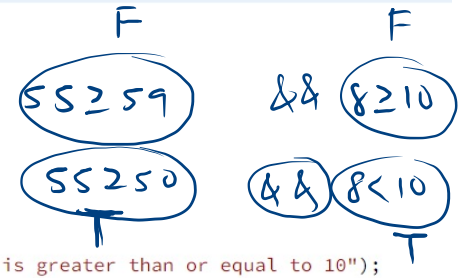
Sample Input 1

```
55
8
```

Sample Output 1

```
X is greater than or equal to 50 and y is less than 10
```

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

public class Solution {

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

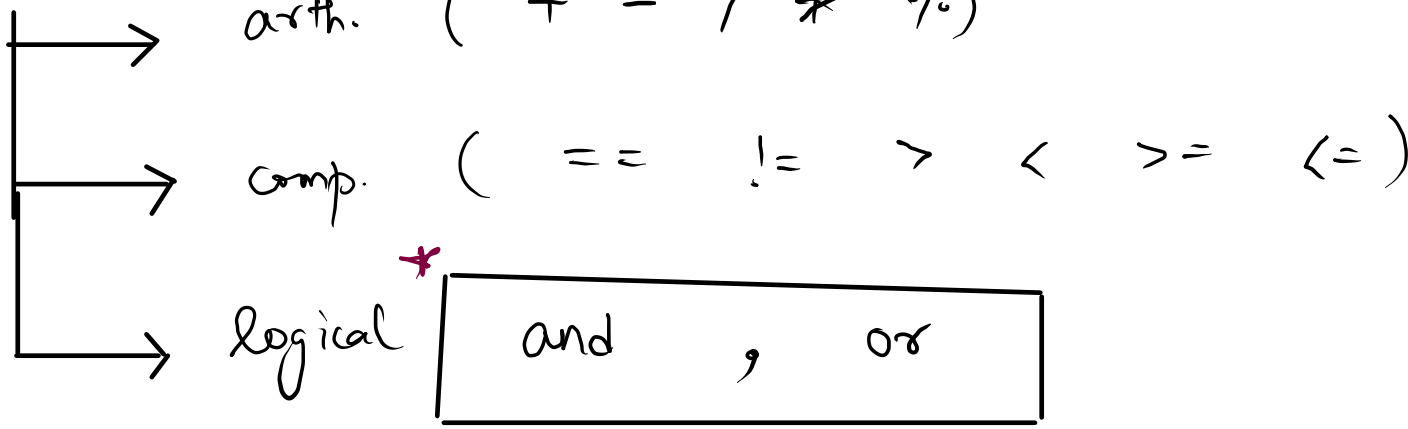


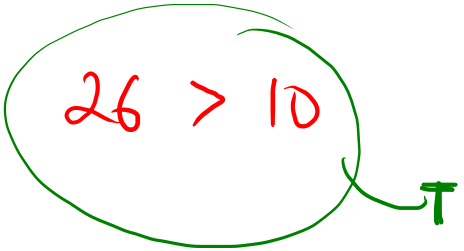
x = 55

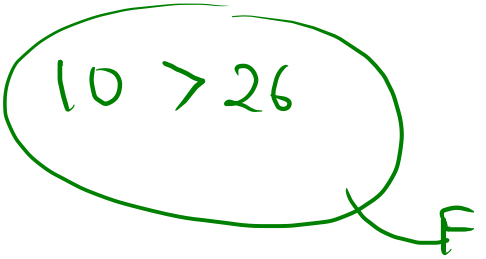
y = 8

→ True

Operator

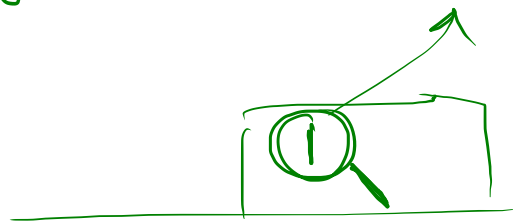



26 > 10
T


10 > 26
F

or operator.

|| } → double pipe sign.



eg.

a = 5
b = 10
c = 50

a > b || a < c

5 > 10 ✗
F

||

5 < 50
T

F || T ⇒ True.

***

OR

if any one is True ans is True

a = 5

b = 10

c = 50

a > b || a > c

5 > 10 || 5 > 50

F || F

F || F → False.

a = 5

b = 10

c = 50

a < b || b < c

5 < 10 → T

||

10 < 50 → T

T || T = True

Truth Table. → OR (||)

X	Y	ans.
T	T	T
F	T	T
T	F	T
F	F	F

a = 3

b = 2

c = 2

a < b || b ≥ c

3 < 2 → F

||

2 ≥ 2 → T

F || T

True

$a = 5$

$b = 3$

$c = 2$

$a<b \;||\; b<c \;||\; c<a$

$5<3$ → F

$||$

$3<2$ → F

$||$

$2<5$ → T

F || F || T → True.

0 0 0
0 0 1
0 1 0
0 1 1
1 0 0
1 0 1
1 1 0
1 1 1

X	Y	Z	ans
F	F	F	F
F	F	T	T
F	T	F	T
F	T	T	T
T	F	F	T
T	F	T	T
T	T	F	T
T	T	T	T

And. (&&)

&
7

***

if all of them is true ans is true

(&&)

X	Y	ans
F	F	F
F	T	F
T	F	F
T	T	T

a = 5

b = 10

c = 15

eg1. a <= b && b > a && c < a

T T F

↳ FALSE

a <= b && b > a && c > a

T T T

⇒ True

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.**

1. age > 60 && sal > 20000 && exp > 20
   sal = sal + 5000

2. age > 40 && sal > 15000 && exp > 10
   sal = sal + 2000

3. age > 30 && sal > 10000 && exp > 5
   sal = sal + 1000

4. else →
   sal = sal + 500

Sample Input 0

```
65
25000
25
```

Sample Output 0

```
30000
```

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

public class Solution {

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

Print final z given xyz

Problem | Submissions | Leaderboard | Discussions

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.**

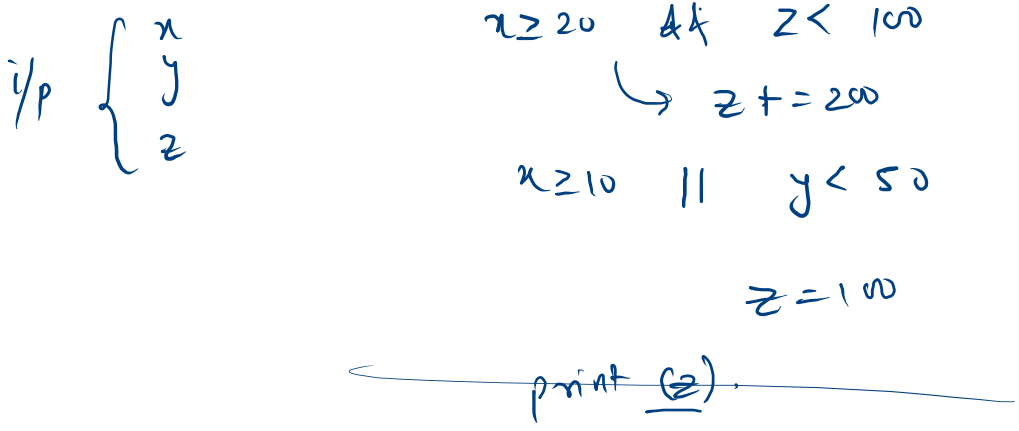
In the end print the final value of **z** as an integer output.

Sample Input 0

```
25
30
80
```

Sample Output 0

```
280
```



Print if divisible by both 3 and 4

Problem | Submissions | Leaderboard | Discussions

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
```

Sample Output 0

```
Not Divisible
```

1. i/p. { n

n%3 == 0 && n%4 == 0

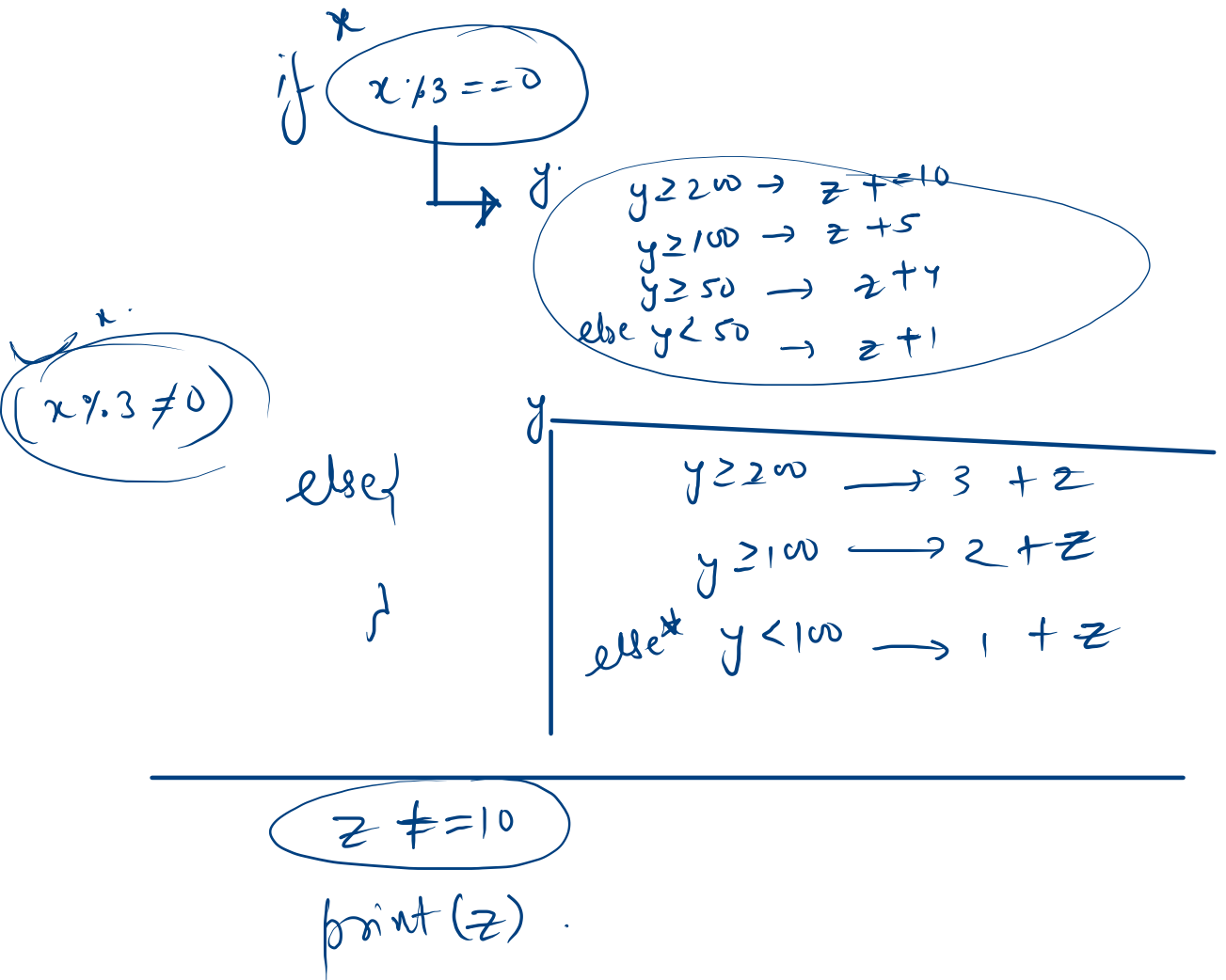
↳ Div. by 3 & 4

else

↳ not Div.

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

public class Solution {

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

        if(n % 3 == 0 && n % 4 == 0){
            System.out.println("Divisible by 3 and 4");
        }else{
            System.out.println("Not Divisible");
        }
    }
}
```

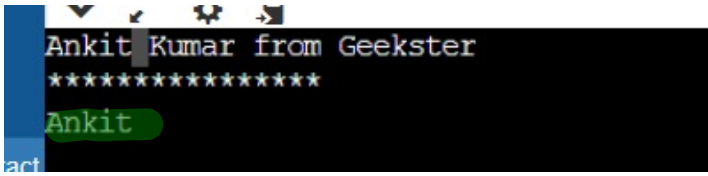
Print z and x divisible by 3



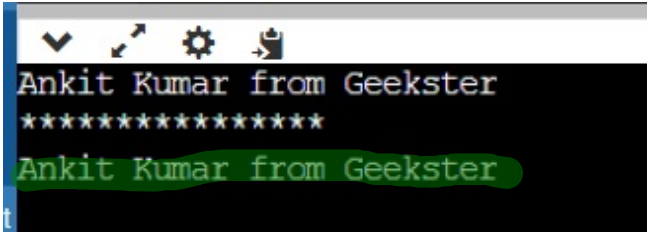
```java
import java.util.*;
public class Solution {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int x = scn.nextInt();
        int y = scn.nextInt();
        int z = scn.nextInt();
        if(x % 3 == 0){
            if(y >= 200){
                z += 10;
            }
            else if(y >= 100){
                z += 5;
            }
            else if(y >= 50){
                z += 4;
            }else{
                z += 1;
            }
        }else{
            if(y >= 200){
                z += 3;
            }
            else if(y >= 100){
                z += 2;
            }
            else{
                z += 1;
            }
        }
        z += 10;
        System.out.println(z);
    }
}
```

String.

```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        String name = scn.next();
        System.out.println("****************");
        System.out.println(name);


    }
}
```




```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        String name = scn.nextLine();
        System.out.println("****************");
        System.out.println(name);


    }
}
```



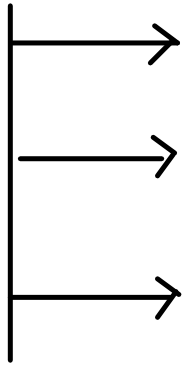
"String" ⟶ stream of characters.

s → "Aman" ⇒ 4 characters

⇒ length = 4

s.length()

'Character'



alphabets → 'A' to 'Z' | 'a' to 'z'

digits → '0' to '9'

special ch → ' ', '@', '$' ----

String.

String → char char char

s → " Geekster "

0 1 2 3 4 5 6 7

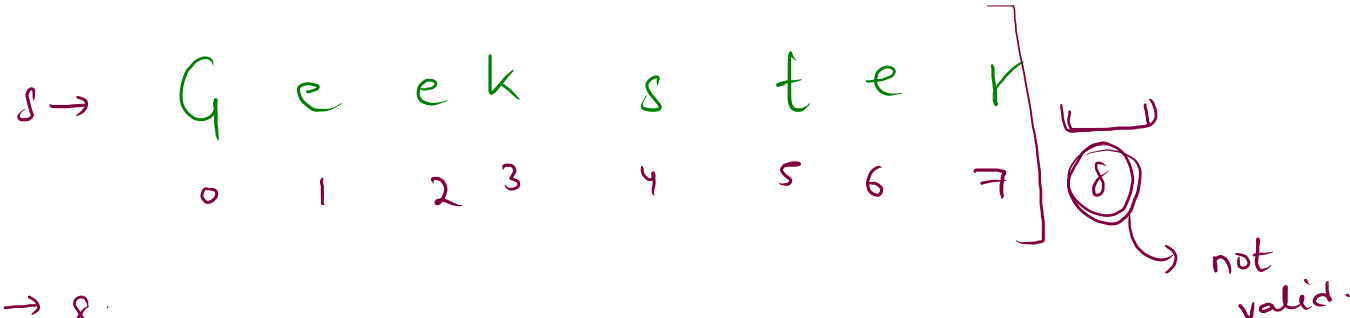
what char. do you have at 5th index?

't'

* How to print particular character from a str?

```
String name = "Geekster";

System.out.println(name.charAt(5));
```

→ 't'



s.length() → 8

s.charAt(2) → e ?

Take input for Character

(no direct way).

```
//input for Character
char ch = scn.next().charAt(0);
System.out.println("**************");
System.out.println(ch);
```

?

"t"

"team"
0 1 2 3

ch = 't' ✓