Print final z given xyz

```
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 \ge 20 \&\& z < 100) {
        z += 200;
    } else if ( x >= 10 || y < 50 ) {
        z += 100;
    System.out.println(z);
```

Print if divisible by both 3 and 4

```
int \eta = 12;
   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

If x was divisible by 3, the program checked the value of y.

If y was greater than or equal to 200, the program added 10 to the value of z.

If y was greater than or equal to 100 but less than 200, the program added 5 to the value of z.

If y was greater than or equal to 50 but less than 100, the program added 4 to the value of z.

If y was less than 50, the program added 1 to the value of z.

On the other hand, if \mathbf{x} was not divisible by $\mathbf{3}$, the program also checked the value of \mathbf{y} .

If y was greater than or equal to 200, the program added $3\ \mbox{to}$ the value of z.

If y was greater than or equal to 100 but less than 200, the program added 2 to the value of z.

If **y** was less than **100**, the program added **1** to the value of **z**.

Finally, the program added 10 to the value of z and printed the final value of z.

```
_ if (x%3==0){

\begin{array}{l}
-if (y >= 200) \\
2 += 10; \\
- y else if (y >= 100 &e y < 200) \\
2 += 5; \\
- y else if (y >= 50 &e y < 100) \\
\end{array}

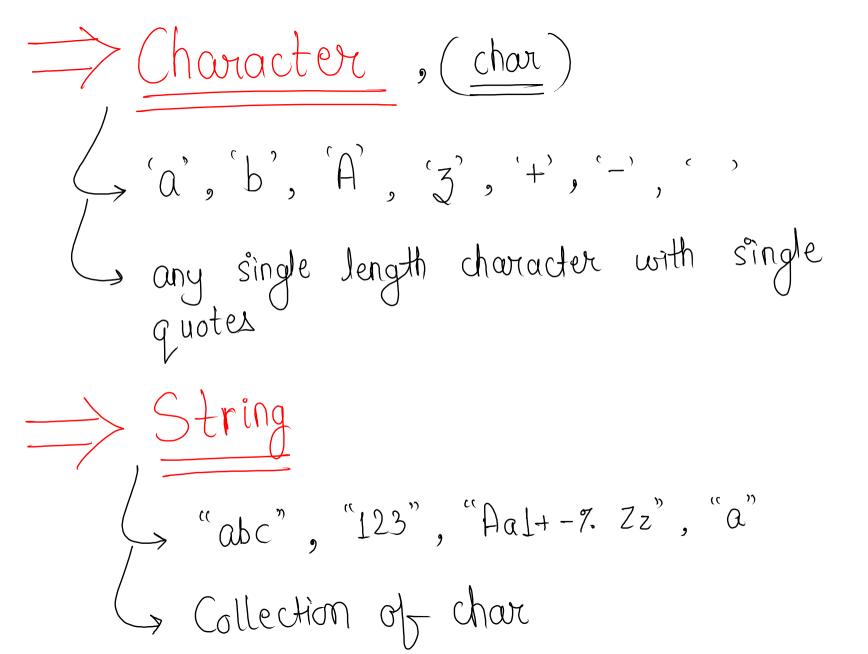
          -3 else if (4<50){
                    フォニージ
   4 else ?

\begin{bmatrix}
    \text{if } (y >= 200)^{\xi} \\
    2 += 3; \\
    \text{g else if } (y >= 100 & y < 200)^{\xi}
\end{bmatrix}

       \sum_{n=1}^{\infty} else if (y < 100)^{2}
Z + = 1
  print (z + 10);
```

```
code
```

```
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 && y < 200) {
        z += 5;
} else if ( y >= 50 && y < 100 ) {
        z += 4;
} else if ( y < 50 ) {
        z += 1;
}</pre>
    if (y >= 200) {
   z += 3;
} else if (y >= 100 && y < 200) {
   z += 2;
} else if ( y < 100 ) {
   z += 1;
}</pre>
       System.out.println(z + 10);
}
```



str. charAt(0); // A' str. charAt(11); // String Index Out of Bound

2) str. charAt (4); // 't'

Mote:-

str = "Ankit Kinha"

```
"Ankit"

1) String strl = scn. next(); // input until
first space
2) String str2= scn. nextLine(); // input entire

ine

"Ankit Kinha"
```

Note:- char ch = scn. next(). charAt(0);

Grade the student-2

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   char ch = scn.next().charAt(0);
    switch(ch) {
        case 'A':
            System.out.println("Excellent!");
            break;
        case 'B':
            System.out.println("Well done!");
            break;
        case 'C':
            System.out.println("You passed!");
            break;
        case 'F':
            System.out.println("Better luck next time!");
            break;
        default:
            System.out.println("Invalid grade");
            break;
```

Switch Calculator 1

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int N = scn.nextInt();
    int a = scn.nextInt();
    int b = scn.nextInt();
    switch(N) {
        case 10:
            System.out.println(a + b);
            break;
        case 20:
            System.out.println(a - b);
            break;
        case 30:
            System.out.println(a * b);
            break;
        case 40 :
            if (b == 0) {
                System.out.println("Error: Integer modulo by zero");
            } else {
                System.out.println(a % b);
            break;
        case 50:
            if (b == 0) {
                System.out.println("Error: Division by zero");
            } else {
                System.out.println(a / b);
            break;
        default:
            System.out.println("Enter a valid number");
            break;
```