

Print Bonus

$$\text{bonus} \rightarrow (\text{salary} * 5) / 100$$

$$\frac{500 \times 5}{100} = \underline{25}$$

$$\begin{array}{r} 100 \overline{) 5} \\ 0 \end{array} \rightarrow \text{quotient}$$

$$\begin{array}{r} 100 \overline{) 5} \\ 0 \\ \hline 5 \end{array} \rightarrow \text{remainder}$$

$$\text{float res} = 5 / 100 \\ = \underline{0.05}$$

$$\text{int res} = \underline{(5 / 100)} = 0 \rightarrow \text{salary} = 0 \rightarrow \text{bonus}$$

Nested if-else → one inside another

```
if (condition) {  
    if (condition2) {  
        // statement1  
    } else { // statement2  
    }  
} else {  
  
}
```

```
if (condition) {  
    if (condition2) {  
        } else {  
            }  
    } else {  
        }  
}
```

→ Nested if else

```
if (marks > 50) {
```

```
    if (age > 23) {
```

```
        System.out.println("eligible");
```

```
    } else
```

```
        System.out.println("not eligible");
```

```
else {
```

```
    if (attendance > 60)
```

```
        S.o.pln("eligible");
```

```
    else
```

```
        s.o.pln("not eligible");
```

```
}
```

40 ← marks

70 → attendance

60 - marks

age → 21

Rahul \rightarrow 30

Jatin \rightarrow 28

Aditya \rightarrow 29

Print final z

x → 30

y → 120

z → 30

```

if x > 20 {
  if y >= 100 → z = z + 100
else if y < 100 && y >= 50
  → z = z + 50;
else
  z = z + 10;
} else { if (y > 100) → z = z + 3
else if (y < 100 && y >= 50) → z = z + 2
else z = z + 1

```