

IFELSE

- ① Ask the user to enter two numbers (int)
- ② print them out  
"you entered %d and %d\n"
- ③ print either  
 $num1 < num2$   
 or  
 $num1 \geq num2$   
 e.g.  $3 < 5$   

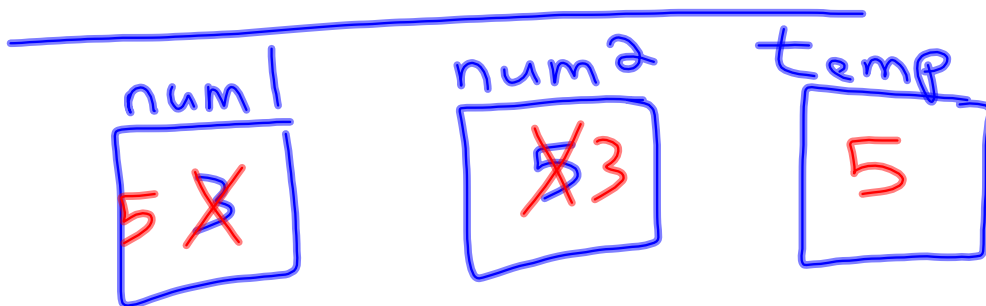
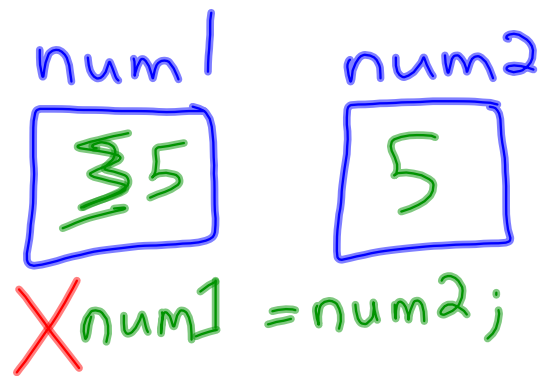
```

if (condition) {
}
else {
}

```

$num1 < num2$   
 $\leftarrow$  true  
 $\leftarrow$  false

3a.  $\text{if}(\text{num1} < \text{num2})$   
    swap num1 num2



```
int temp = num2;  
num2 = num1;  
num1 = temp;
```

```
"" Select an operation ""  
  (1) Add \t (2) Subtract ""  
  (3) Multiply \t (4) Divide ""  
  (5) Modulus \t (6) Power ""  
  read a # from user
```

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```
if add was chosen  
  print "%d + %d = %d",  
        num1, num2, (num1 + num2)  
else  
  print "not a choice"
```

```
if (cond 1) {
```

```
    {
else if (cond 2) {
```

```
    {
else if (cond 3) {
```

```
    {
else {
```

```
    }
}
```

mod " ~~ad~~ % % %d = %d "

pow " ... = %f " ... ,  
Math.pow(...