

if () ① Selection
 if (condition) { is true we run
 // code // code

X = #; // -2 billion - 2 billion

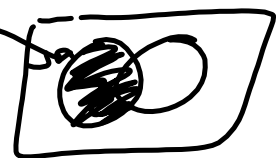
if (x < 0) {
 X = X * -1; // only runs when x is neg
}

② Two way
if (condition) {

{
else {
}

③ Multi-way

if (condition 1) {



}
else if (condition 2) {
// condition 1 is false & condition 2 is true



}
else {

}

```
if (red Shirt){  
    // go to back door  
}  
else {  
    // switch your shirt with person  
    // to the right...  
}
```

```

int X = # ; // X is a 3 digit number
// so that it can be written as ABC
// print out Ascending when A < B < C
// print out Descending when A > B > C
// print out neither if not Ascending or Descending

```

```

R → L   int X = # ;
L → R

```

```

C = X % 10           A = X / 100 ;
B = (X / 10) % 10    B = (X % 100) / 10 ;
A = (X / 100) ;      C = (X % 10) ;

```

```

if (A > B && B > C) {
    // Descending

```

```

}
else if (A < B && B < C) {
    // Ascending
}

```

```

if (A > B) {
    if (B > C) {
        // Nesting
    }
    else {
        // neither
    }
}

```

