

The intuition behind conditional statements in programming

First, I will discuss a very simple scenario, suppose it is really sunny outside, then we go outside to play football, else if it is raining outside, we stay inside to watch some TV shows. So, we are doing some actions based on conditions.

```
if(sunny)
    go outside and play football
else
    stay inside and watch some television
```

We have all familiarized ourselves with games, So imagine we are playing a game where we can control a player and he can move left and right. He needs to go to a certain location to reach his goal the layout is displayed as such.

Then he needs to go two steps to the left, then then move down and then move two steps to the right, now this is a way he will reach his destination and you will get the treasure.

Now imagine from the point of view of the players, as players we just press the buttons, left right up and down and navigate the player.

So think for a second what happens under the hood. We press left, then he goes to the left, then we press down, he moves in the downward direction, then we finally press right where he reaches his final destination.

So we are saying, if we press left --> he goes in the left direction, if we press down he goes to the down direction and so on. So we see a pattern here:

```
if (press right)
    player moves in the right direction
```

Similarly we can map this to this case:

```
if( some condition){

    some actions will happen(Give some examples)

}
```

So this is the idea behind conditional statements in programming, which is one of the 2 basic building blocks in programming among the two.