CS 2

if statement :
    execute this part if (True)

else :
    execute if false

↳ Some Questions
↳ elif statements

★ Check divi of 5

$$5\overline{)10}\,2$$
$$\underline{10}$$
$$0$$

$$5\overline{)12}\,2 \quad ✗$$
$$\underline{10}$$
$$2$$

$$5\overline{)15}\,3$$
$$\underline{15}$$
$$0$$

remainder
is 0

remainder   (%)

```
if    n % 5   == 0 :
          print(" Divisible")

else :
          print(" Not divisible")
```

✶ **Divisible by either 5 or 7**

$$5\overline{)5}\,1 \qquad or \qquad 7\overline{)5}\,0 \qquad\qquad 5\overline{)35}\,7 \qquad 7\overline{)35}\,5$$
$$\underline{5} \qquad\qquad\qquad \downarrow \qquad\qquad\quad \underline{35} \qquad\qquad \underline{35}$$
$$0 \qquad\qquad\qquad \underline{5} \qquad\qquad\quad 0 \qquad\qquad\quad 0$$

```
if ( n % 5 == 0    or    n % 7 == 0 ) :

          print(" Yes ")

else :
          print(" No ")
```

* **Traffic Lights:**

```
if    color == "red":
        print(" stop")

else:
        if color == "Yellow":
                print(" Wait")

        else:
                if color == "green":
                        print("Go")

                else:
                        print(" Invalid color")
```