

Decision Making | Looping | Branching

- (I) Control Statements
- (II) Conditional Statements
- (III) Looping Statements

- (I) Simple if
- (II) If-else
- (III) If-else if-else ladder
- (IV) Nested if-else
- (V) Switch case
- (VI) Ternary Operator
↳ Short hand if-else

Pattern?

Divide Into Parts

	0	1	2	3	4	5	6
0		*	*		*	*	
1	*			*			*
2	*						*
3		*				*	
4			*		*		
5				*			

P3: $r - c == 2$
 2 - 0
 3 - 1
 4 - 2
 5 - 3

Time		Package
8 min	TCS	4.5
7 min	Accenture	5
6 min	Captgemini	6
5 min	Infosys	6.5
3 min	Wipro	8

P1: $r == 0$ $c \rightarrow 1, 2, 4, 5$
 $c \% 3 \neq 0$

P2: $r == 1$ $c \rightarrow 0, 3, 6$

P4: $r + c == 8$ $c \% 3 == 0$
 2 + 6
 3 + 5
 4 + 4
 " * " " "

* IBM: \rightarrow

	0	1	2	3	4	5	6
0				*			
1		*			*		
2		*	*			*	
3	*						*
4	*			*			*
5		*	*		*	*	

$$r + c = 3$$

$$\text{or } \begin{cases} r - c \rightarrow -3 \\ c - r \rightarrow 3 \end{cases} \text{ Any one}$$

$r == 4$ & $c \% 3 == 0$
 $r == 5$ & $c \% 3 \neq 0$

Post Lunch: \rightarrow Some more problems
 + Looping Statements
 + Functions