

## (#) Formatted input and output

① formatted output

```
→ printf( "control string", arg1,  
arg2, arg3 ... argn );
```

## Format Specification

% (flag)(width).(precision)<sup>Convolution</sup>  
Character

↓  
Compulsory

Optional

↓  
ex, Cd,  
f.s  
Compulsory

Ex: integer value

```
printf(" %3d", a);
```

Ex: float valve

```
printf( "%3.2f", a );
```

$\neq$   $\nwarrow$   
width precision

$$\text{flag} \Rightarrow -0$$

Ex: Printing integer values  
in C  $a = 20$ ;

`printf("%d", a);`

2	0
---	---

`printf("%5d", a);`

			2	0
--	--	--	---	---

`printf("%-5d", a);`

2	0			
---	---	--	--	--

---

## ② Formatted I/P

→ `scanf("control string", arg1,  
arg2, arg3... argn);`

↑

Address Variable

no  
need of  
 $\alpha$

(except string variable)