

# Output Instruction

Day-4

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# Output Devices



Computer



Speakers



Monitor



Printer

# Output Instruction

printf() → Predefined Function

- printf is used to print a text on the monitor
- printf can be used to print value of a variable or an expression

```
printf("Welcome");
```

Action starts

- ① I/O instruction
- ② Arithmetic Instruction
- ③ Control instruction

Write a program to print Hello Students on the screen.

```
#include <stdio.h>
int main()
{
    printf("Hello Students");
}
```

How to print value of a variable?

```
int a=5;
```

```
printf("a");
```

a

✗

```
printf("5");
```

5

✗

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

5

✓

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

a=5

```
printf("value of a is %d", a);
```

value of a is 5

Format Specifier

%d

int

%c

char

%f

float

%lf

double

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

Expression

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

5 25 125

H.W.

- ① Escape sequence
- ② Format Specifiers