

Outline

- Worksheet Review
 - Functions in C
 - I/O → Standard I/O
 → File I/O
-

Functions in C

- ① Functions need to be declared (or defined) before they are called.
 - ② In C, all functions pass arguments by value.
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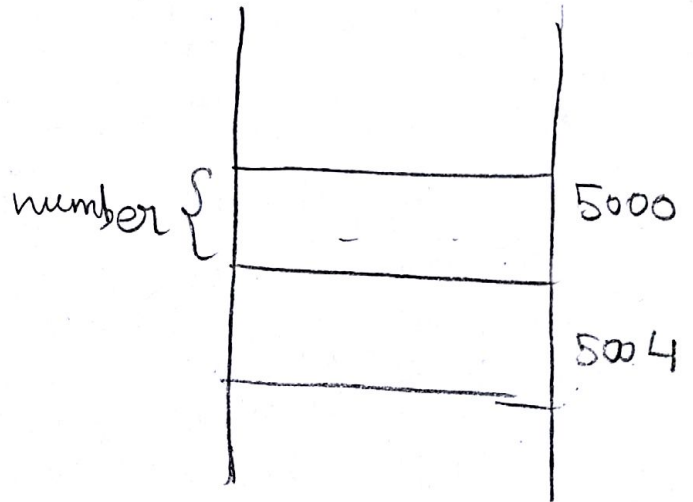
I/O

scanf ()

* number = 5000

int number;

scanf (" %d" &number)
(Address of operator)



// Standard I/O.

FILE I/O.

stdin - 0

stdout - 1

stderr - 2

fprintf (stdout , " %d" , number);
stderr

FILE

r - read-only
w - write-only
(erases)
a - write
rt, at, wt

```
FILE * woutefp ;
```

```
woutefp = fopen ("file.txt", "w") ;
```

```
if (woutefp == NULL)
```

```
{  
    fprintf (stderr, " --- " ) ;  
    exit (1) ;
```

```
}
```

```
fprintf (woutefp, "Hello" ) ;
```

```
fprintf (woutefp, "World %d", number) ;
```

```
// Hello World 5
```

```
fscanf (stdin, "%d", &number)
```

↓
woutefp

