

L2
Introduction to [lang]

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Writing our first program

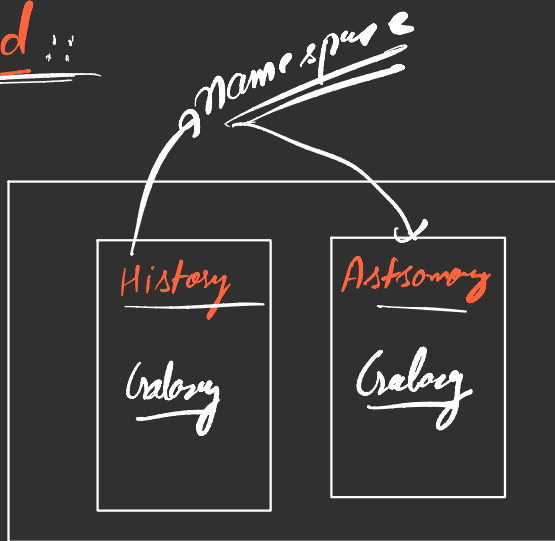
```
#include <iostream>
using namespace std;
```

```
int main() {
    cout << "Hello LearnYard";
    return 0;
}
```

Diagram annotations:

- `int`: Return type
- `main()`: function name
- `{`: opening bracket
- `cout << "Hello LearnYard";`: body
- `return 0;`: body
- `}`: closing bracket

std



History :: Galaxy

Astronomy :: Galaxy :

Variables

let x = 10;

y = 5;

RAM



Memory space
for program

Data types

int \longrightarrow 4 bytes

float / double \rightarrow 4 / 8 bytes

bool \longrightarrow 1 bytes

char \longrightarrow 1 byte

Operators

Arithmetic Operator & Assignment Operator

+

-

*

/

%

}

$$\frac{9}{2} = 4.5 \times$$

4

=

=

+=

-=

*=

/=

Operators

Relational and Logical Operator

$=$	$T \vee T = T$	$T \wedge T = T$	$\times \times$
$!=$	$T \vee F = T$	$T \wedge F = F$	$\vee \vee$
$<$	$F \vee T = T$	$F \wedge F = F$	$!$
$>$	$F \vee F = F$	$F \wedge T = F$	$+$
$<=$			$-$
$>=$	$! F = T$		
	$! T = F$		

Taking Input

In C++ - we use cin

Homework Question

1. Enter two numbers and perform all arithmetic operations
2. Enter P, R, T and calculate simple interest.

Next Class Plan

1. Conditional Statements
2. Loops
3. Some Practice

Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE, PRACTICE!

