



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

TIRUCHIRAPPALLI

Organizes

Short Term

Training Program

on iOS App

Development using

Swift



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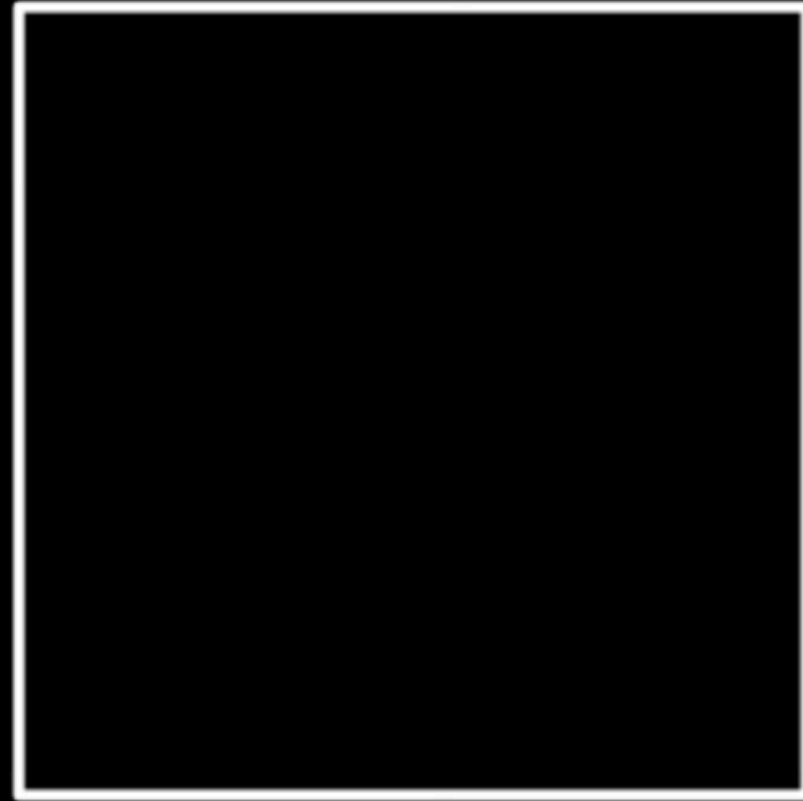
DAY – 01

Programming **Fundamentals**

What is Computer Programming



input →



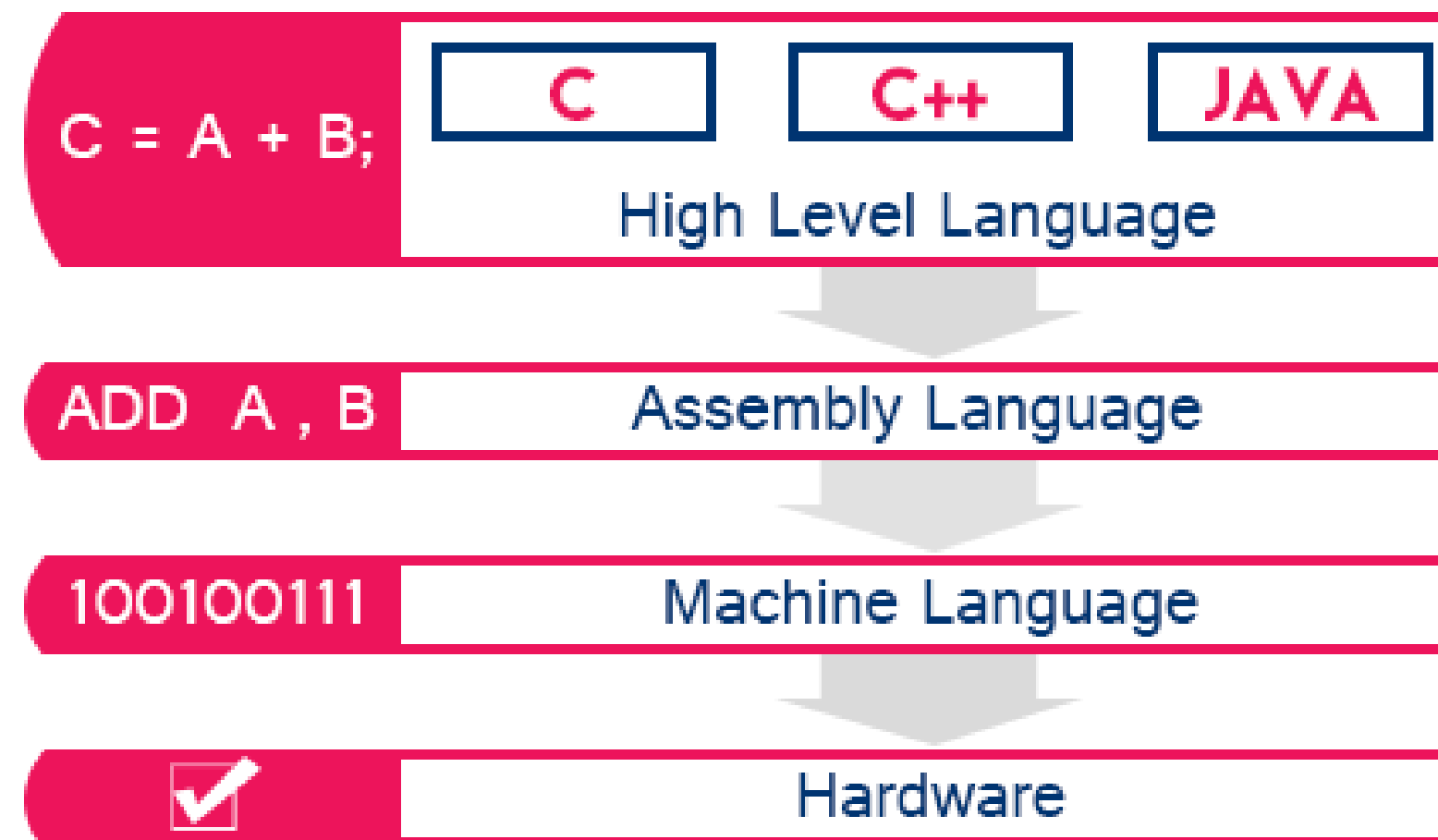
→ output

What is an **Algorithm**



```
1  Pick up phone book
2  Open to middle of phone book
3  Look at page
4  If person is on page
5      Call person
6  Else if person is earlier in book
7      Open to middle of left half of book
8      Go back to line 3
9  Else if person is later in book
10     Open to middle of right half of book
11     Go back to line 3
12 Else
13     Quit
```

Types of Languages



Hello World !

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println("Hello World");  
    }  
}
```


Data Types

| Data Type | Description |
|-----------|---|
| byte | Stores whole numbers from -128 to 127 |
| short | Stores whole numbers from -32,768 to 32,767 |
| int | Stores whole numbers from -2,147,483,648 to 2,147,483,647 |
| long | Stores whole numbers from -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807 |
| float | Stores fractional numbers. Sufficient for storing 6 to 7 decimal digits |
| double | Stores fractional numbers. Sufficient for storing 15 to 16 decimal digits |
| boolean | Stores true or false values |
| char | Stores a single character/letter or ASCII values |

Operator Types

Arithmetic Operators

Arithmetic Operators are used to perform simple arithmetic operations on primitive and non-primitive data types.

- * : Multiplication
- / : Division
- % : Modulo
- + : Addition
- - : Subtraction

TO IntelliJ IDEA



What is an Array

What is **Array** Data Structure

