# DIPLOMA IN
# COMPUTER
# PROGRAMMING

## Anubhav
### PROGRAMMING INSTITUTE

**5K+**

Around India, we already have over 5K+ Computer Programming students

# About Anubhav Programming Institute

Anubhav Programming Institute was established in the year 2002. Since then Anubhav Programming Institute has earned reputation for providing highest quality computer education in Mumbai. So far we have trained and placed over 20,000+ students.

**100+**
**Expert Trainers**

**50+**
**Placement Partners**

**Sharad Linge**

**CEO, Anubhav Programming Institute**

**Anubhav**
PROGRAMMING INSTITUTE

# Why Choose Us

30K+ Enrolled Students

Expert Faculty

Comprehensive Course Curriculum

Flexible Learning Options

Placement Assistance

Positive Reviews and Reputation

Certification Programs

Flexible timing

Industry Relevant Curriculum

# Learning Methodology



**1** Theory and Practical Learning

Participating in discussion

**2**

**3** One-on-One Mentoring Sessions

Industry relevant assignments & live projects

**4**

# We are offering

**Anubhav**
PROGRAMMING INSTITUTE

**Anubhav's
Computer Programming**

Will receive 1
certificate from
Anubhav

# ABOUT
# COMPUTER
# PROGRAMMING

Computer programming involves writing instructions (code) that computers can understand and execute to perform specific tasks. It is the process of designing, writing, testing, and maintaining source code for various software applications, websites, mobile apps, and more. Programming languages such as Python, Java, C++, and JavaScript are commonly used to write code.

Computer programming is essential in today's digital age, powering everything from basic computer operations to complex artificial intelligence systems.

# TARGET AUDIENCE

Computer Science, IT and Engineering Students

Students with a Strong Background in Mathematics

Software Developers, web developers, and other IT professionals

Anyone Interested in Technology

# JOB OPPORTUNITY

**Software Developer/ Engineer**

**SYSTEMS ANALYST**

**MOBILE APP DEVELOPER**

**Web Developer**

**IT SUPPORT**

**FREELANCER**

**Database Administrator**

**GAME DEVELOPER**

# FUTURE SCOPE

PROGRAMMING AVG SALARY IN THE VARIOUS COUNTRIES

| COUNTRY | SALARY | TOP CITIES |
|---------|--------|------------|
| INDIA | ₹8,80,00 | BENGALURU / HYDERABAD |
| USA | $124,060 | AUSTIN / SEATTLE |
| UK | £37,114 | MANCHESTER / BIRMINGHAM |

# Course Overview

**C PROGRAMMING**

**C++**

**PYTHON PROGRAMMING**

**CORE JAVA**

**SQL**

# C PROGRAMMING

The Decision Control Structure

Loop Control Structure

Functions And Pointers

The C Preprocessor

Pupating On Strings

Arrays

Under Linux

Memory Mapping

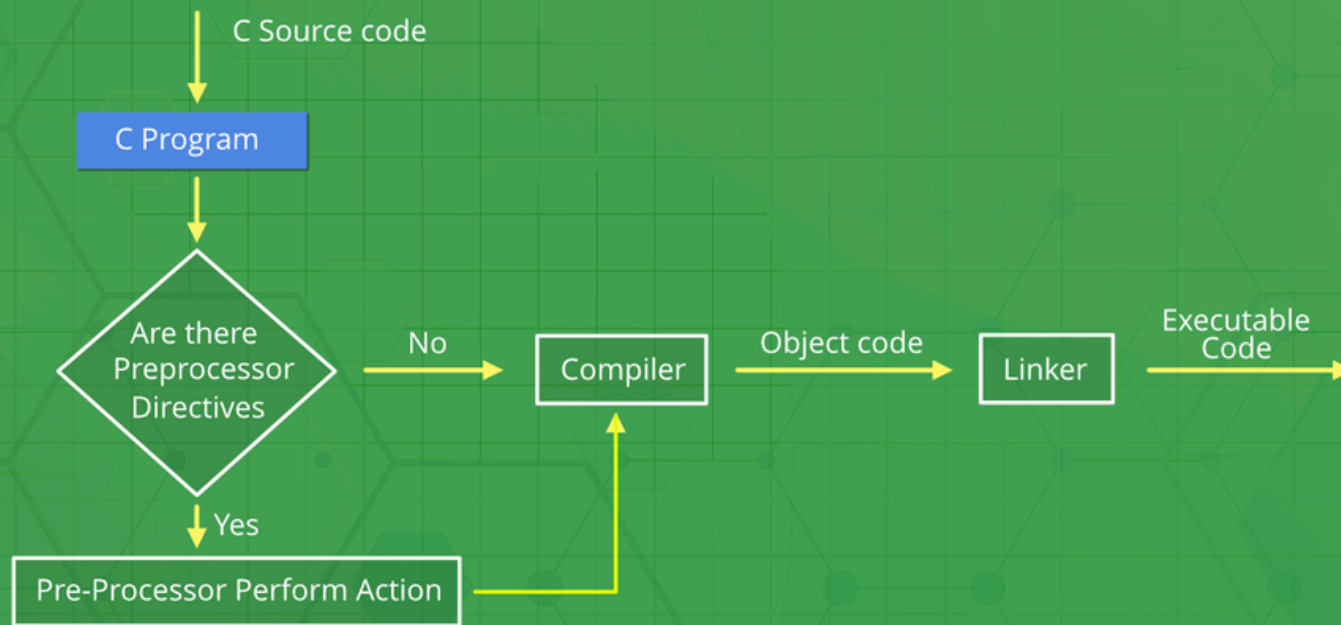Windows Programming

Operations On Bits

C Traps And Pitfall

Console Input/Output

Structures

# C PROGRAMMING

## Preprocessor in C

C Source code

C Program

Are there Preprocessor Directives

No → Compiler → Object code → Linker → Executable Code →

Yes ↓

Pre-Processor Perform Action

GeeksforGeeks

## Structure of C Program

| | | | |
|---|---|---|---|
| | 1 | #include <stdio.h> | Header |
| | 2 | int main(void) | Main |
| BODY | 3 | { | |
| | 4 | printf("Hello World"); | Statement |
| | 5 | return 0; | Return |
| | 6 | } | |

# C++ PROGRAMMING

- Intro To OOP
- Grad Function Prototypes
- Classes In C++
- The C++ Free Store
- Data Structures Through C++
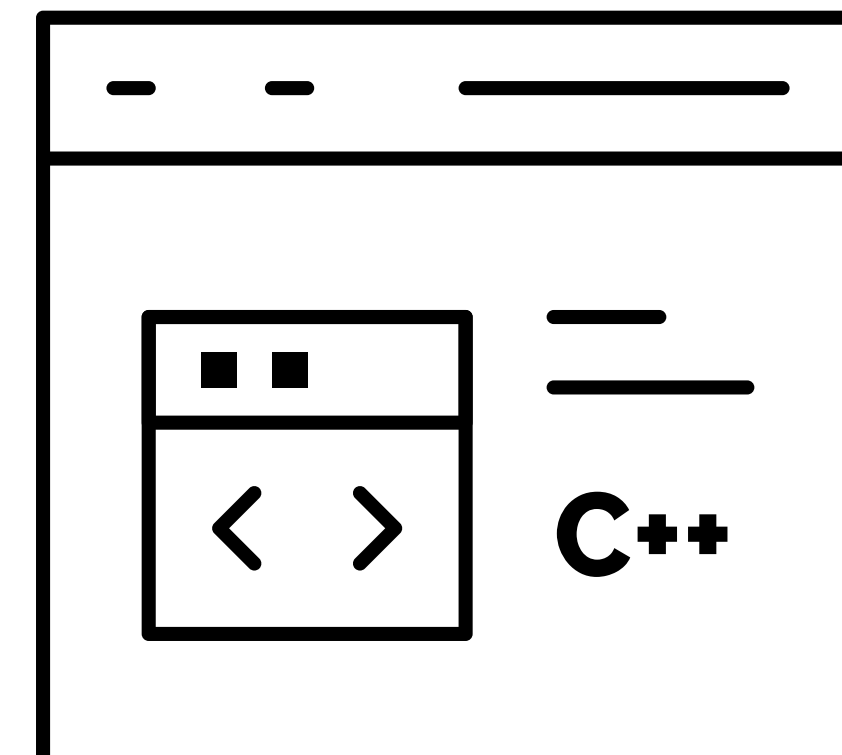
- Functions
- Inheritance
- Virtual Functions
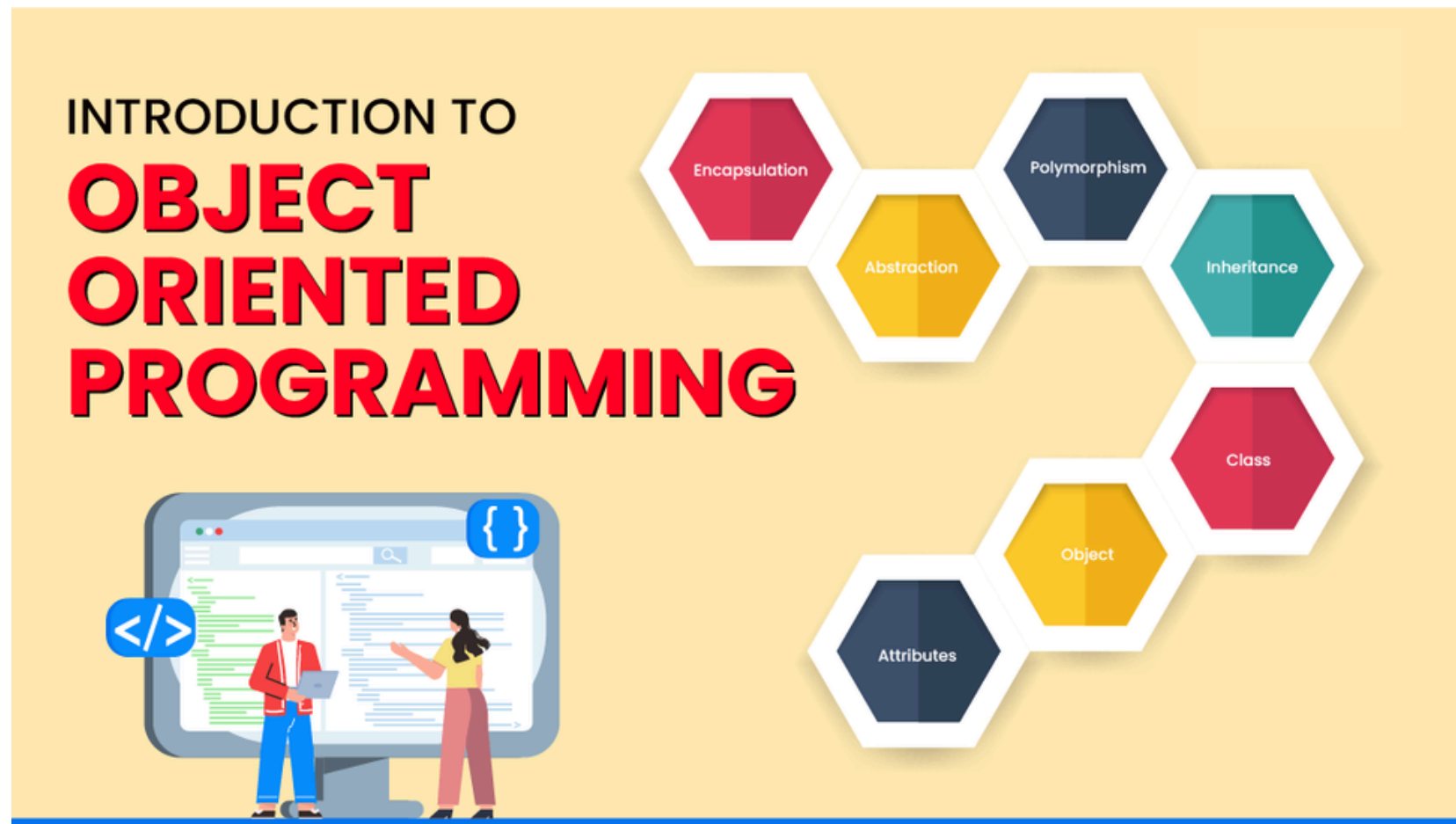- Input/Output In C++
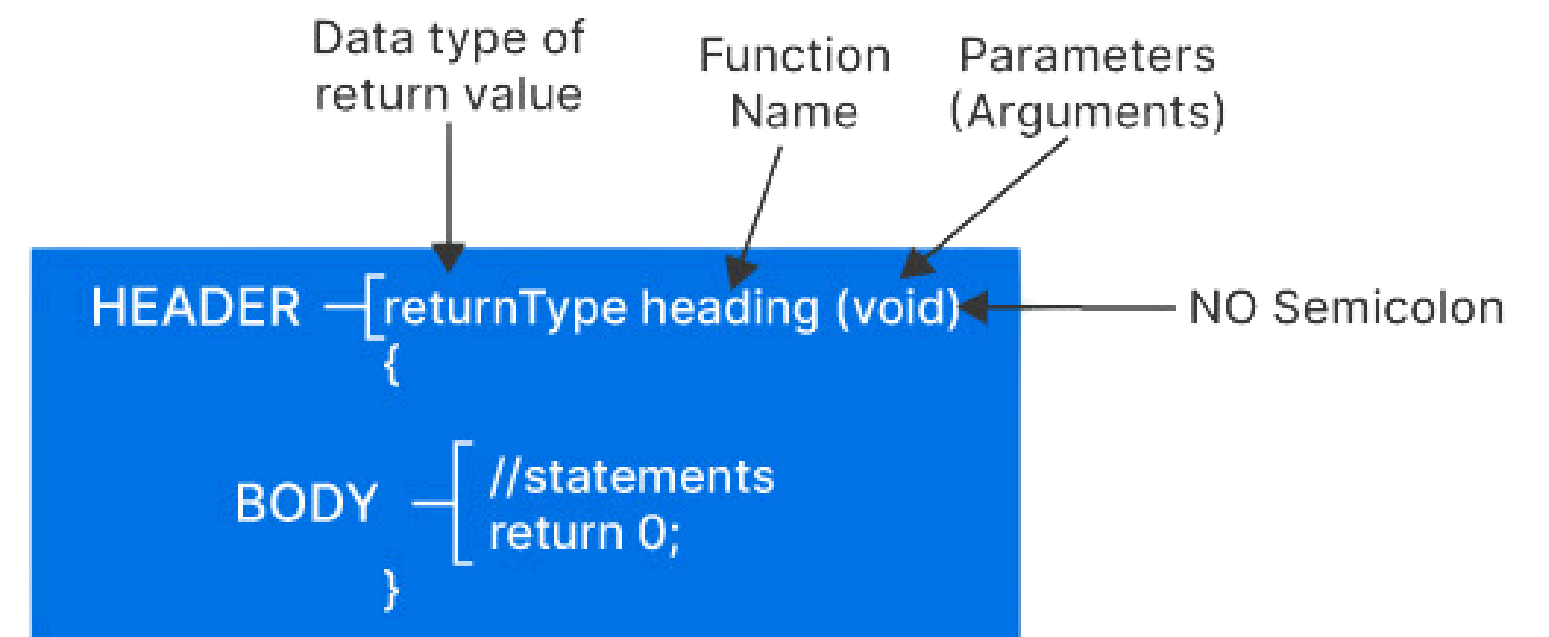- Advanced Features

- Exception Handling
- Function Templates
- Case Study

C++

# C++ PROGRAMMING

INTRODUCTION TO
**OBJECT
ORIENTED
PROGRAMMING**

Encapsulation

Polymorphism

Abstraction

Inheritance

Class

Object

Attributes

Function Prototype

Data type of
return value

Function
Name

Parameters
(Arguments)

HEADER ─[returnType heading (void) ◄─────── NO Semicolon
{

BODY ─[ //statements
return 0;
}

# PYTHON PROGRAMMING

**Python Fundamentals**

**Functions And Modules**

**File Handling**

**Control Flow**

**Exception Handling**

**Advanced Python Concepts**

**Data Structures**

**Object-Oriented Programming**

**Projects And Practical Applications**

# PYTHON PROGRAMMING

```python
b = open("demo.txt", "a")
b.write("We have added more content to the file")
b.close()

b = open("demo.txt", "r")
print(b.read())
```

```
This
is
a
Learning
Sample
We have added more content to the file
```

**File Handling**

# CORE JAVA

Introduction Of Java

Polymorphism

00PS Concept

Exception Handling

Loops

Modifier In Java

Variable

Array

Multithreading

Datatype

String Function

Operators

Conditional Statement

# CORE JAVA

```java
interface flight{
  public void fly(){}
}

class Bat implements flight{
  public void fly(){
    System.out.println("Bap bap");
  }
}

class Bird implements flight{
  public void fly(){
    System.out.println("Flap flap");
  }
}
```

**POLYMORPHISM**

| Methods | Description |
|---|---|
| length() | It returns a number from a present character that presents in the string as an integer. |
| concat() | Generates a new concatenated object of string that is built from a given string objects. |
| charAt() | It generates character depends on a given index from particular string. object. |
| toUpperCase() | Returns uppercase content from the given string. |
| toLowerCase() | Returns lowercase content from the given string. |
| splits | It splits a source string based on the regular expression for returning a string array. |
| contains() | Returns the boolean value for testing whether the given string has any specific character or not. |
| replace() | It replaces all the old character with new characters. |
| replaceAll() | Replace substring on the basis of the passed regular expression with a new string. |

ScholarHat

**String Function**

# SQL

**Introduction To SQL**

**SQL Operators**

**SQL Functions**

**Introduction To Databases And RDMBS**

**SQL Expressions**

**SQL Queries And Sub Queries**

**SQL Syntax**

**Data Definition Language Commands And Operations.**

**SQL Data Types**

**Data Control Language Commands**

# SQL

| Index | Operator | Description |
|-------|----------|-------------|
| 1 | = | Equality operator or Equal to |
| 2 | != | Inequality operator or Not equal to |
| 3 | <> | Inequality operator or Not equal to |
| 4 | <= | Less than or Equal to |
| 5 | >= | Greater than or Equal to |
| 6 | < | Less than operator |
| 7 | > | Greater than operator |
| 8 | !> | Not greater than operator |
| 9 | !< | Not less than operator |

```
Query    fx test_func2 ✕  +

1    DELIMITER $$
2
3    CREATE
4        /*[DEFINER = { user | CURRENT_USER }]*/
5        FUNCTION `world`.`test_func2`()
6        RETURNS TYPE
7        /*LANGUAGE SQL
8        | [NOT] DETERMINISTIC
9        | { CONTAINS SQL | NO SQL | READS SQL DATA | MODIFIES SQL DATA }
10       | SQL SECURITY { DEFINER | INVOKER }
11       | COMMENT 'string'*/
12       BEGIN
13
14       END$$
15
16   DELIMITER ;
```

# FEES STRUCTURE

**DIPLOMA IN COMPUTER PROGRAMMING**
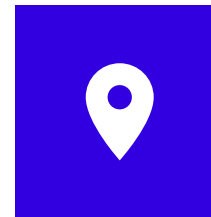
2 MONTHS INSTALLMENT

**Rs 25,500 /-**

**COURSE DURATION**

**5 M**

**DIPLOMA IN COMPUTER PROGRAMMING**

FULL PAYMENT

**Rs 22,500 /-**

# Contact Us

## Chembur Branch

**Class Location**

Shop No 1, Ground Floor, Road No. 3, opposite Balaji Book, near Natural Dairy, Chembur West, Chembur, Mumbai, Maharashtra 400071

**Email**

chembur@anubhavcomputer.com

**Phone**

9167243839 / 9321923795

# Contact Us

## Govandi Branch

**Class Location**
Sankheswar Parshwanath Jain Derasar, opposite post office, near Bank of Baroda, Below SWAMI RAMKRISHNA PARAMHANS (SRP) College.

**Email**
chembur@anubhavcomputer.com

**Phone**
9167243836 / 9167243838