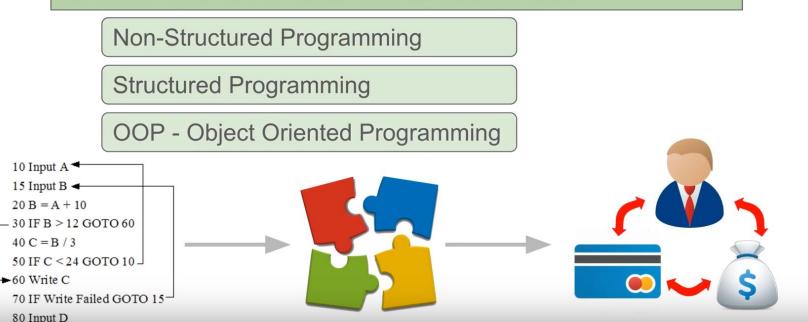
What is Object Oriented Programming (OOP)?

Today We Will Learn:

2. How did OOP came into existence



What is Object Oriented Programming

It is a method of programming where code is designed and based on the functions and attributes of the objects.

Let us take an example

Non-Structured Programming

A Bank Account F withdraws money ATM.

Steps:

- 1. Insert Card
- 2. Enter Passcoo
- 3. Enter Amount
- 4. Withdraw Cas
- 5. Withdraw Card

15 Input B 🕶

$$20 B = A + 10$$

30 IF B > 12 GOTO 60

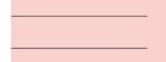
$$40 C = B / 3$$

50 IF C < 24 GOTO 10 -

► 60 Write C

70 IF Write Failed GOTO 15

80 Input D



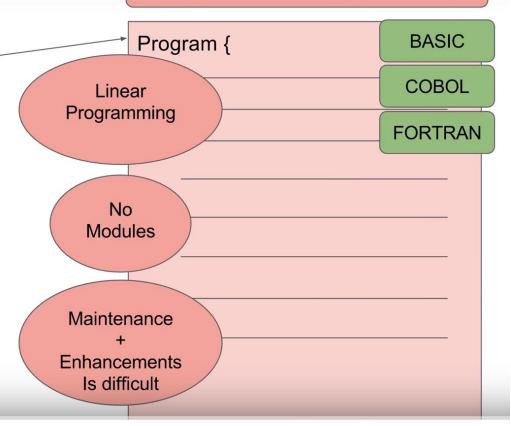
Let us take an example

Non-Structured Programming

A Bank Account Holder withdraws money from ATM.

Steps:

- Insert Card
- 2. Enter Passcode(PIN)
- 3. Enter Amount
- 4. Withdraw Cash
- Withdraw Card



Let us take an example

Structured Programming

A Bank Account Holder withdraws money from ATM.

Steps:

- 1. Insert Card
- 2. Enter Passcode(PIN)
- 3. Enter Amount
- 4. Withdraw Cash
- 5. Withdraw Card

withdrawMoney() { depositMoney() { openAccount() {

Structured Programming



A person opens account with a bank and deposits money and uses his Credit Card to withdraw money from ATM.

Structured Programming

Works on **ACTIONS**

openAccount()

depositMoney()

withdrawMoney()

Structured Programming

A Bank Account Holder withdraws money from ATM.

Steps:

- 1. Insert Card
- 2. Enter Passcode(PIN)
- 3. Enter Amount
- 4. Withdraw Cash
- 5. Withdraw Card

| withdraw | Money() { | |
|----------|-----------|--|
| | } | |
| depositM | loney() { | |
| | } | |
| openAcc | ount() { | |
| | } | |

A Bank Account Holder withdraws money from ATM.

Steps:

- Insert Card
- 2. Enter Passcode(PIN)
- 3. Enter Amount
- 4. Withdraw Cash
- 5. Withdraw Card

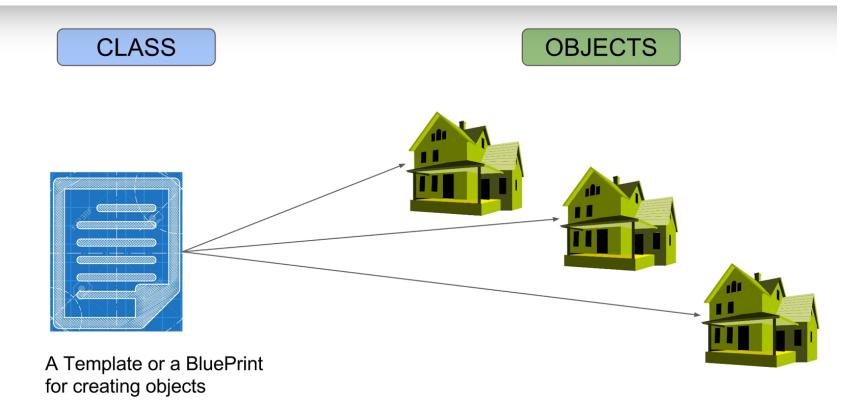
OOP - Object Oriented Programming

Does not work on ACTIONS

Works With

Classes

Objects



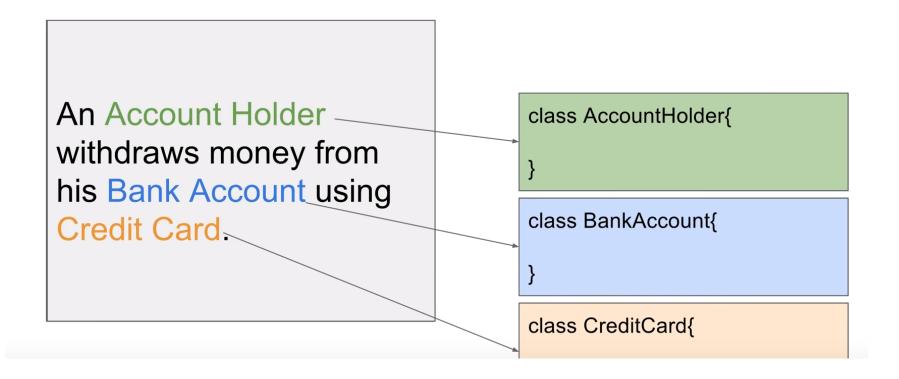
CLASS

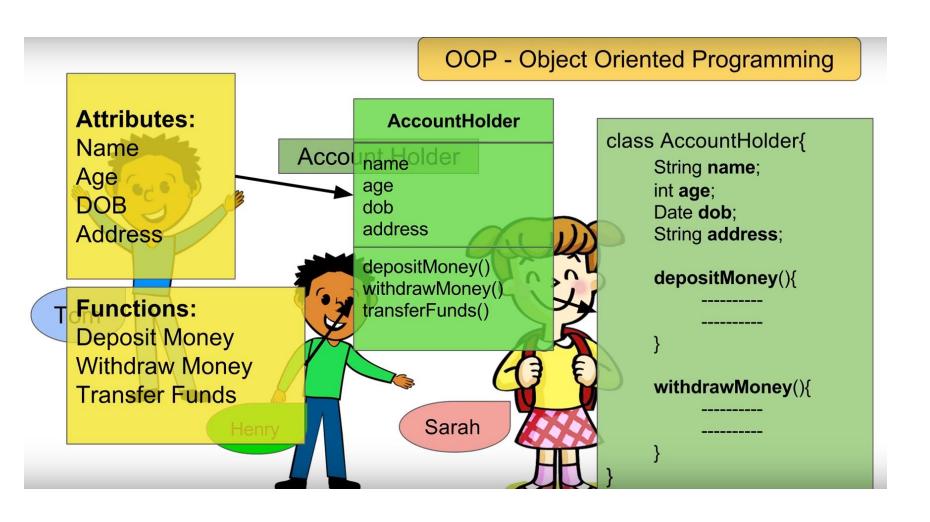
OBJECTS

Object Oriented Programming is inspired by real life scenarios and depicts real life entities in the form of OBJECTS that are created using CLASSES.

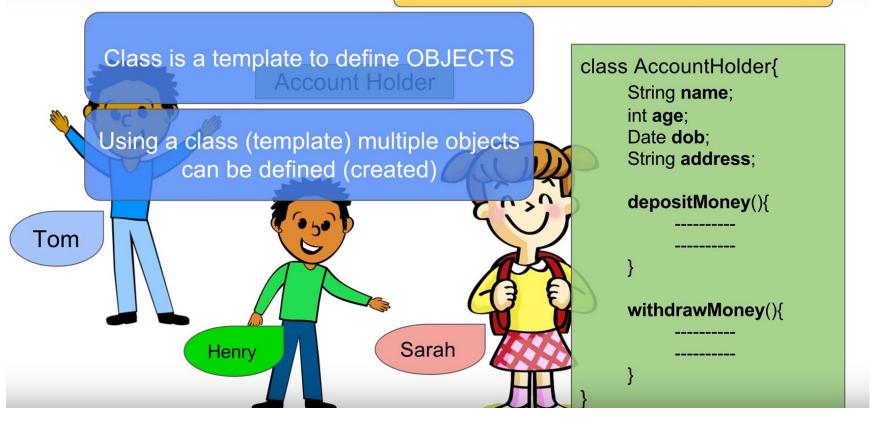
A Template or a BluePrint for creating objects

OOP - Object Oriented Programming





OOP - Object Oriented Programming



OOP - Object Oriented Programming

