

Introduction to Python

Your first programs: print, variables and
input

TEACHER
Teacher Name

CLASS
9

PERIOD
40 minutes



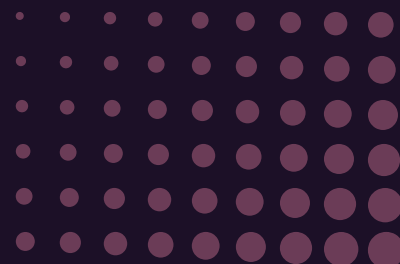
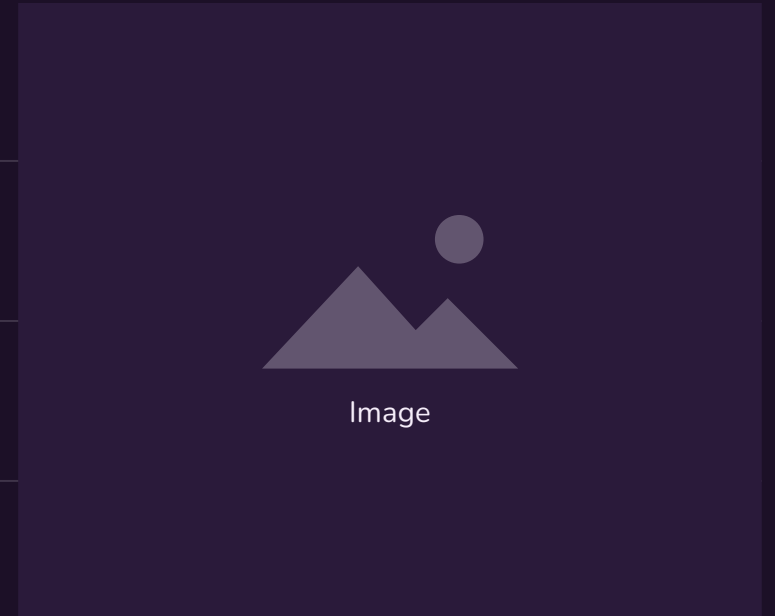
02 Lesson plan

01 Warm-up

02 Learn

03 Explore

04 Practise



03 | Learning objectives

- Write and run a Python program
- Store values in variables
- Take input from the user
- Do simple calculations

YOU ALREADY KNOW

**How to open and
save files.**



Can you make a computer greet you by name?

Think about it

05 | What is a program?

A program is a list of instructions a computer follows.

Python reads lines from top to bottom. `print()` shows output, variables remember values and `input()` asks the user for information.



Diagram / picture

06

Key terms

01

Variable

A named box that stores a value.

02

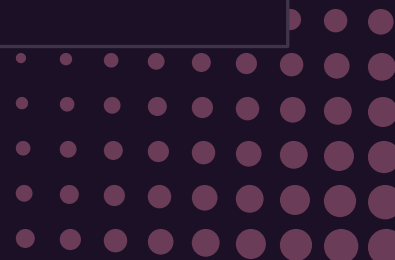
String

Text inside quotes, e.g.
"Hello".

03

Integer

A whole number, e.g. 42.



07

Your first program

01

Open

IDLE or an online editor

02

Ask

`name = input("Name? ")`

03

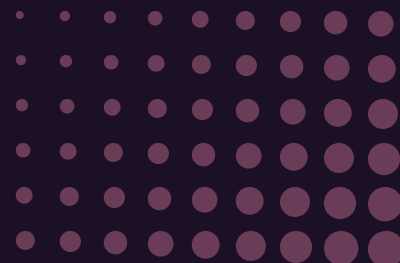
Print

`print("Hello", name)`

04

Run

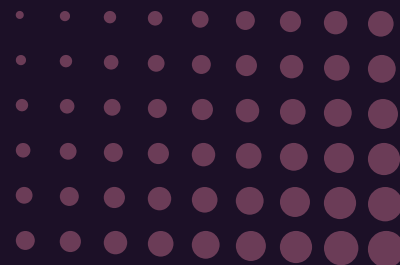
Press F5 and test



08 | Data types

Type	Example	Use
int	15	Counting
float	3.14	Measuring
str	"Asha"	Text

Use `type()` to check any value.



09 | Did you know?

1991

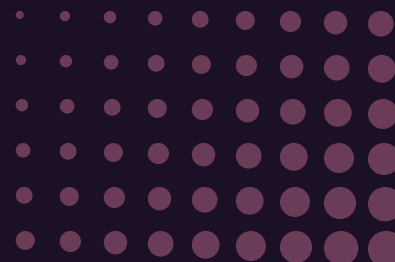
Python first released

#1

language for beginners

Not a snake

named after a comedy
show



10 | Real-life examples



Image 1

Games

Simple quiz games



Image 2

Science

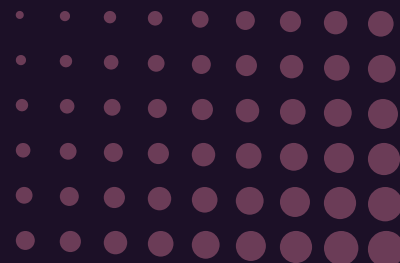
Data and graphs



Image 3

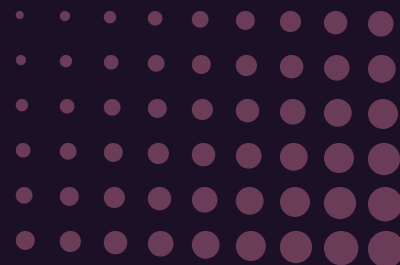
Websites

Back-end servers



11 | Check your understanding

- What does `print()` do?
- Store your age in a variable
- Why is text put in quotes?
- What is $3 + 4 * 2$?



12

Activity time

01

Greeting bot

Ask name and age, print a message.

02

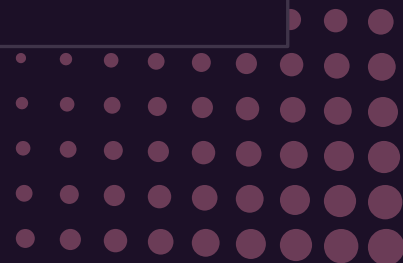
Calculator

Add two numbers from input.

03

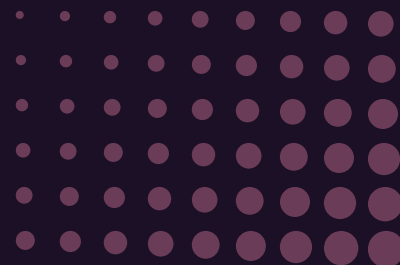
Bug hunt

Fix five broken programs.



13 | Homework

- Print your timetable with Python
- Convert Celsius to Fahrenheit
- Make three errors and note the messages



Great work today!

Next lesson: If-else decisions

Teacher Name

Class 9

