



PYTHON SESSION PLAN

WEEK NO. 1

DEVELOPED BY **BUDDY CODZ**
LEARN | DEVELOP | PLAY

DAY 1

- Introduction to block base coding
- Relate it to puzzle and everytime there is a new answer
- How to Drag and drop
- What every command means
- Run a basic block
- Class task

DAY 2

- Introduction to turtles
- Different tasks turtles can achieve
- Use of every turtle keywords
- Basic shapes with turtles
- Class task

DAY 3

- Change colours of the drawings
- Allocating random colour
- Color with ratio
- Mixing 2 colors
- Introduction to variables

DAY 4

- Creating variables
- Use of variables
- Lists
- Empty list and creation
- Create a list and uses
- Repeating lists
- Length of lists
- Functions with list

DAY 5

- What are loops
- Types of loops
- Use of different loops blocks
- Class example of loop using lists
- Break out of loops and continue



PYTHON SESSION PLAN

WEEK NO. 2

DEVELOPED BY **BUDDY
CODZ**

LEARN | DEVELOP | PLAY

DAY 1

- Arithmetic operations
- Sum difference multiplication and division
- Square root
- Use of all functions in loop
- Creating repeating shapes

DAY 2

- Text based operations
- What is unicode
- How to use unicode
- Conversion to string and different types of data types
- Append text and length of txt

DAY 3

- Operations with strings
- Meaning of each operations
 - *get substring
 - *change cases
 - *trim
 - *prompt text

DAY 4

- what are logical operation
- use of logical operation
- types of logical operation
 - *if and else
 - *inequalities
 - *Use of and or
 - *Use of Not
 - *Boolean true and false
 - *Use of null
 - *Use of Is in and is not in

DAY 5

- What are functions
- Use of functions
- How to use functions
- Returning values
- Class example with logical functions and functions



PYTHON SESSION PLAN

WEEK NO. 3

DEVELOPED BY **BUDDY
CODZ**

LEARN | DEVELOP | PLAY

DAY 1

- What is Plotting
- Functions under plotting
- What is numpy
- Use of numpy
- Example of each functions of plotting

DAY 2

- Class task : Drawing random circles on board
- Solution and explanations
- Class Task : Drawing circles in specific position and random color
- Solution

DAY 3

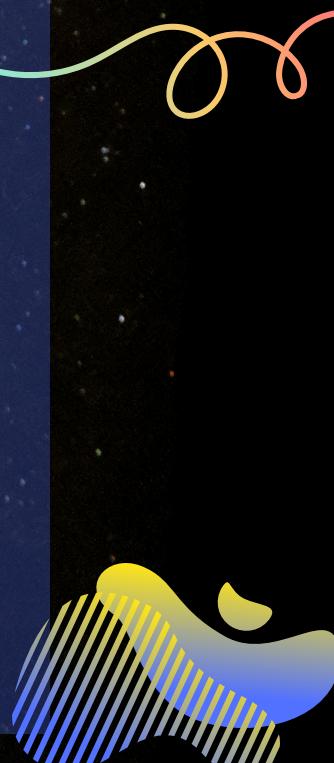
- Problem statements
- How to tackle problems splitting the statement in different sections and creating blocks
- Example problem statements
- Class task (a turtle wants to draw different shape of random colors at different specified positions)
- Solutions

DAY 4

- Problem statements based on loops
- How loops make the task easier
- Understanding where to use loops
- Example problem statements
- Class task
- Solution

DAY 5

- Problem statements based on functions
- Where to use functions
- How to use functions
- Making task easier with functions
- Example problem statements
- Class task
- Solution





PYTHON SESSION PLAN

WEEK NO. 4

DEVELOPED BY **BUDDY CODZ**
LEARN | DEVELOP | PLAY

DAY 1

- Problems with loops within functions
- How to use loop inside a functions
- How to loop a functions
- Example problem statement
- Class task and solution

DAY 2

- First project in blocks
- Drawing a jack o lantern
- Explaining different functions and shapes required
- Creating its functions
- Arranging the functions in order to create the project
- Run the task

DAY 3

- Students task teachers assistance only
- Drawing a basic scenery

DAY 4

- Explaining the projects and verifying answers
- Explaining different functions
- Solutions to the task

DAY 5

- Test

