



PYTHON

Instructor: Pradumn Bajpai

Class	Content	Home work
1 -INTRODUCTION	<ul style="list-style-type: none"> • Why bother with Python? • History of Python • Command Line Basics • Installing Python • Running Python Code • Data Types <ul style="list-style-type: none"> ○ Strings ○ Lists ○ Dictionaries ○ Tuples ○ Sets 	Select the capstone project.
2 - ERROR HANDLING/ TAKING INPUTS	<ul style="list-style-type: none"> • Basics <ul style="list-style-type: none"> ○ Error trapping ○ Functions ○ Modules in python • Input <ul style="list-style-type: none"> ○ Prompt ○ Std in ○ Input from file • Processing <ul style="list-style-type: none"> ○ Variable assignments ○ Data Types ○ Conditional checking 	Hands on exercises and Capstone project.
3 - PROCESSING DATA	<ul style="list-style-type: none"> • VARIABLES <ul style="list-style-type: none"> ○ Variable types ○ OPERATIONS • Variable assignments <ul style="list-style-type: none"> ○ Data Types ○ Conditional checking 	Hands on exercises and Capstone project.
4 - OUTPUT /USING PACKAGES	<ul style="list-style-type: none"> • Output <ul style="list-style-type: none"> ○ Screen ○ File ○ Database • Packages <ul style="list-style-type: none"> ○ Numpy 	Hands on exercises and Capstone project.
5 - PACKAGES CONTD.	<ul style="list-style-type: none"> • Packages <ul style="list-style-type: none"> ○ Numpy - Contd. ○ Pandas 	SQL exercises
6 - SENTIMENT ANALYSIS CODING /CAPSTONE PROJECT PRESENTATIONS	<ul style="list-style-type: none"> • Sentiment analysis example coding • Capstone project presentation 	

Sample questions for Capstone Project (Actual questions might be different)

<https://github.com/jimportilla/Complete-Python-Bootcamp/blob/master/Final%20Capstone%20Projects/Final%20Capstone%20Project%20Ideas.ipynb>