



IIT Madras

ONLINE DEGREE

Programming in Python
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Introduction

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Exception handling

Functional programming

Introduction



Hello Python students. In this week we will introduce some advanced concepts in Python. These concepts include, exception handling and functional programming features of Python, like iterator, generator, in line statements, list comprehension, lambda function, enumerator, zip, map, filter and so on. I know all these terms may sound very complicated and even scary at this point, but actually none of these things are required to be a successful Python programmer.

So, now, the question is, why we are even studying these concepts. And the answer is, even though one can easily write any python program without knowing any of these concepts, but then the use of these features will make your life easier as a programmer. This will be one of those differences between a good programmer and an expert programmer.

Going back to the content of this week apart from exception handling all other features are optional and one may even decide not to even use those concepts at all and that is absolutely alright nothing wrong in that approach. But exception handling is very important concept of any programming language including Python, because it is considered as industry standard for writing any code. So, we will start with exception handling in next lecture and then we will

continue functional programming in the following lectures. And that is the overview of this entire week. Thank you for watching this lecture. Happy learning.

