



European Master in
Building Information Modelling

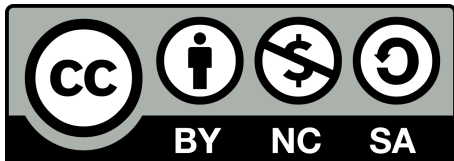
Programming assignments - 01

Topic 2: Fundamentals of programming

BIM A+3: Parametric Modelling in BIM

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Installing Python Environment

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Installing Python Editor

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Setting up Git and GitHub

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The screenshot shows a web browser window with the URL `talkpython.fm`. The page header includes the TalkPython logo and navigation links: Episodes, Python Courses, Friends of the show, Patreon, Merch, and Contact. A banner below the header reads "Brought to you by **Linode** - Build your next big idea @ **linode.com**".

Episode #162: Python in Building and Architecture

Published Mon, May 21, 2018, recorded Mon, Apr 23, 2018.

A SoundCloud player is embedded with a progress bar at 00:00. Below the player, it says "(embed this episode via SoundCloud)".

You often hear about architecture in software. This could be things like microservices, 3-tier apps, or even the dreaded client-server mainframe app. But this episode, we're turning this on its head: It's software in architecture and real-world construction projects with Mark Mendez.

Links from the show

- EvolveLAB: evolvebim.com
- Grasshopper 3D: grasshopper3d.com
- Python OCC: github.com/tpaviot/pythonocc-core

A tooltip at the bottom left says "Open 'https://talkpython.fm' in a new tab".

On the right side, there is a circular profile picture of Mark Mendez, with his name "Mark Mendez" below it. Below the name are three buttons: "Subscribe @ iTunes" (with an Apple logo), "Download MP3" (with a cloud icon), and "Full transcript".

Below these buttons is a section titled "Episode sponsors" featuring a green box with a 3D cube icon and the text "Linux Cloud Hosting" and "Use promo code PYTHON17".

<https://talkpython.fm/episodes/show/162/python-in-building-and-architecture>

The screenshot shows the Stack Overflow website interface. The top navigation bar includes the Stack Overflow logo, links for Products, Customers, and Use cases, a search bar with the query '[python]', and buttons for Log in and Sign up. The left sidebar contains links for Home, PUBLIC (Stack Overflow, Tags, Users, Jobs), and TEAMS (What's this?, First 25 Users Free). The main content area is titled 'Questions tagged [python]' and features an 'Ask Question' button. Below the title, a paragraph explains that Python is a multi-paradigm, dynamically typed, multipurpose programming language. It also provides links to 'Learn more...', 'Top users', 'Synonyms (4)', and 'python jobs'. A summary shows '1,294,733 questions' with filters for Newest, Active, Bountied (48), Unanswered, and More, along with a Filter button. Three questions are listed: 1. 'Django NoReverseMatch at /provider/ 'provider ' is not a registered namespace' by Ehab Diab, asked 2 mins ago, with 0 votes, 0 answers, and 4 views. 2. 'np.where for finding differences, nans mixed with not nan values' by Moritz, asked 2 mins ago, with 0 votes, 0 answers, and 4 views. 3. 'How to creating nested dictionary from excel sheets and merged them together' by fmcg, asked 2 mins ago, with 0 votes, 0 answers, and 4 views. The right sidebar contains a 'Blog' section with links to 'Introducing "The Loop": A Foundation in Listening' and 'Podcast: TFW You Accidentally Delete Your Database', a 'Featured on Meta' section with links to 'Feedback post: Moderator review and reinstatement processes', 'New Post Notices (Closed/On Hold/etc.) rolling out on Stack Overflow', and 'Upvotes on questions will now be worth the same as upvotes on answers', and a 'Philip Morris International' advertisement.