



European Master in  
Building Information Modelling

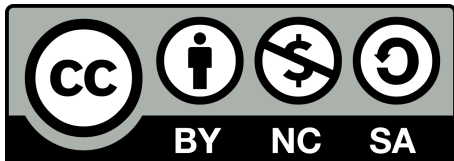
# Programming assignments - 01

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 circular profile picture of Mark Mendez is shown next to his name. Below the name are three buttons: "Subscribe @ iTunes" (red), "Download MP3" (white with a cloud icon), and "Full transcript" (white). Below these is a section for "Episode sponsors" featuring a green box for "Linux Cloud Hosting" with a cube icon and the text "Use promo code PYTHON17".

Below the episode title is a SoundCloud player interface with a progress bar at 00:00 and a volume icon. Below the player is a link to "embed this episode via SoundCloud".

The main text of the episode description reads: "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."

Under the heading "Links from the show", there are three links: "EvolveLAB: [evolvebim.com](https://evolvebim.com)", "Grasshopper 3D: [grasshopper3d.com](https://grasshopper3d.com)", and "Python OCC: [github.com/tpaviot/pythonocc-core](https://github.com/tpaviot/pythonocc-core)".

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

The screenshot shows the Stack Overflow website interface. At the top, there's a navigation bar with the Stack Overflow logo, links for Products, Customers, and Use cases, a search bar containing '[python]', and buttons for Log in and Sign up. The left sidebar contains a 'Home' link, a 'PUBLIC' section with 'Stack Overflow' selected, and links for Tags, Users, and Jobs. Below this is a 'TEAMS' section with 'What's this?' and 'First 25 Users Free'. The main content area is titled 'Questions tagged [python]' and features an 'Ask Question' button. Below the title, there's a paragraph explaining Python's multi-paradigm nature and version-specific tagging. A summary shows '1,294,733 questions' with filters for Newest, Active, Bountied (48), Unanswered, and More. The first question is titled 'Django NoReverseMatch at /provider/ 'provider ' is not a registered namespace' and is asked by Ehab Diab 2 minutes ago. The second question is 'np.where for finding differences, nans mixed with not nan values' asked by Moritz 2 minutes ago. The third question is 'How to creating nested dictionary from excel sheets and merged them together'. 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' and 'New Post Notices (Closed/On Hold/etc.) rolling out on Stack Overflow', and a section for 'Philip Morris International' with a 'a Smoke-Free Future' banner and icons for fmcg, Public, and 10k+ people.