

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Computer Science and Engineering - NOC:The Joy of Computing using Python

Subject Co-ordinator - Prof. Sudarshan Iyengar

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction to Programming
- Lecture 2 - Why Programming ?
- Lecture 3 - Programming for Everybody
- Lecture 4 - Any Prerequisites ?
- Lecture 5 - Where to start?
- Lecture 6 - Why do we have so many languages?
- Lecture 7 - How to go about programming?
- Lecture 8 - Why to learn programming?
- Lecture 9 - What is programming?
- Lecture 10 - How to give instructions ?
- Lecture 11 - Introduction To Scratch
- Lecture 12 - Introduction To Loops
- Lecture 13 - More About Loops
- Lecture 14 - Solution To Looping Problem
- Lecture 15 - Scratch
- Lecture 16 - Scratch
- Lecture 17 - Scratch
- Lecture 18 - More On Scratch
- Lecture 19 - Introduction to Anaconda
- Lecture 20 - Installation of Anaconda
- Lecture 21 - Introduction to Spyder IDE
- Lecture 22 - Printing statements in Python
- Lecture 23 - Understanding Variables in Python
- Lecture 24 - Executing a sequence of instructions in the Console
- Lecture 25 - Writing your First Program
- Lecture 26 - Taking inputs from the user
- Lecture 27 - Discount Calculation
- Lecture 28 - Motivation to if condition
- Lecture 29 - A reminder on how to deal with numbers

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- Lecture 30 - Understanding if condition's working
- Lecture 31 - Realizing the importance of syntax and indentation
- Lecture 32 - Introductions to loops
- Lecture 33 - Loops
- Lecture 34 - Loops
- Lecture 35 - Loops
- Lecture 36 - Introduction to While Loop
- Lecture 37 - Lists Part 1
- Lecture 38 - Lists Part 2
- Lecture 39 - Lists Part 3
- Lecture 40 - Lists Part 4
- Lecture 41 - Loops and Conditionals
- Lecture 42 - Loops and Conditionals
- Lecture 43 - Crowd Computing - Just estimate 01
- Lecture 44 - Crowd Computing - Just estimate 02
- Lecture 45 - Crowd Computing - Just estimate 03
- Lecture 46 - Crowd Computing - Just estimate 04
- Lecture 47 - Crowd Computing - Just estimate 05
- Lecture 48 - Crowd Computing - Just estimate 06
- Lecture 49 - Permutations - Jumbled Words 01
- Lecture 50 - Permutations - Jumbled Words 02
- Lecture 51 - Permutations - Jumbled Words 03
- Lecture 52 - Theory of Evolution 01
- Lecture 53 - Theory of Evolution 02
- Lecture 54 - Theory of Evolution 03
- Lecture 55 - Theory of Evolution 04
- Lecture 56 - Practice is the key
- Lecture 57 - Magic Square Hit and Trial 01
- Lecture 58 - Magic Square Hit and Trial 02
- Lecture 59 - Magic Square Hit and Trial 03
- Lecture 60 - Magic Square Hit and Trial 04
- Lecture 61 - Magic Square Hit and Trial 05
- Lecture 62 - Let's program and play
- Lecture 63 - Dobble Game - Spot the similarity 01
- Lecture 64 - Dobble Game - Spot the similarity 02
- Lecture 65 - Dobble Game - Spot the similarity 03
- Lecture 66 - Dobble Game - Spot the similarity 04
- Lecture 67 - What is your date of birth?
- Lecture 68 - Birthday Paradox - Find your twin 01

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Lecture 69 - Birthday Paradox - Find your twin 02  
Lecture 70 - Birthday Paradox - Find your twin 03  
Lecture 71 - Birthday Paradox - Find your twin 04  
Lecture 72 - Birthday Paradox - Find your twin 05  
Lecture 73 - What's your favourite movie?  
Lecture 74 - Guess the Movie Name 01  
Lecture 75 - Guess the Movie Name 02  
Lecture 76 - Guess the Movie Name 03  
Lecture 77 - Guess the Movie Name 04  
Lecture 78 - Guess the Movie Name 05  
Lecture 79 - Guess the Movie Name 06  
Lecture 80 - Dictionaries  
Lecture 81 - Speech to Text  
Lecture 82 - Speech to Text  
Lecture 83 - Speech to Text  
Lecture 84 - Monte Hall  
Lecture 85 - Monte Hall  
Lecture 86 - Rock, Paper and Scissor  
Lecture 87 - Rock, Paper and Scissor  
Lecture 88 - Rock, Paper and Scissor  
Lecture 89 - Rock, Paper and Scissor  
Lecture 90 - Sorting and Searching  
Lecture 91 - Sorting and Searching  
Lecture 92 - Sorting and Searching  
Lecture 93 - Sorting and Searching  
Lecture 94 - Sorting and Searching  
Lecture 95 - Sorting and Searching  
Lecture 96 - Sorting and Searching  
Lecture 97 - Sorting and Searching  
Lecture 98 - Substitution Cipher -The science of secrecy  
Lecture 99 - Substitution Cipher -The science of secrecy 01  
Lecture 100 - Substitution Cipher -The science of secrecy 02  
Lecture 101 - Substitution Cipher -The science of secrecy 03  
Lecture 102 - Tic Tac Toe - Down the memory Lane  
Lecture 103 - Tic Tac Toe - Down the memory Lane 01  
Lecture 104 - Tic Tac Toe - Down the memory Lane 02  
Lecture 105 - Tic Tac Toe - Down the memory Lane 03  
Lecture 106 - Tic Tac Toe - Down the memory Lane 04  
Lecture 107 - Tic Tac Toe - Down the memory Lane 05

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Lecture 108 - Recursion  
Lecture 109 - Recursion 01  
Lecture 110 - Recursion 02  
Lecture 111 - Recursion 03  
Lecture 112 - Recursion 04  
Lecture 113 - Recursion 05  
Lecture 114 - Recursion 06  
Lecture 115 - Snakes and Ladders - Not on the Board  
Lecture 116 - Snakes and Ladders - Not on the Board - Part 01  
Lecture 117 - Snakes and Ladders - Not on the Board - Part 02  
Lecture 118 - Snakes and Ladders - Not on the Board - Part 03  
Lecture 119 - Snakes and Ladders - Not on the Board - Part 04  
Lecture 120 - Snakes and Ladders - Not on the Board - Part 05  
Lecture 121 - Snakes and Ladders - Not on the Board - Part 06  
Lecture 122 - Spiral Traversing - Let's Animate  
Lecture 123 - Spiral Traversing - Let's Animate - Part 01  
Lecture 124 - Spiral Traversing - Let's Animate - Part 02  
Lecture 125 - Spiral Traversing - Let's Animate - Part 03  
Lecture 126 - Spiral Traversing - Let's Animate - Part 04  
Lecture 127 - Spiral Traversing - Let's Animate - Part 05  
Lecture 128 - Spiral Traversing - Let's Animate - Part 06  
Lecture 129 - Spiral Traversing - Let's Animate - Part 07  
Lecture 130 - GPS - Track the route  
Lecture 131 - GPS - Track the route - Part 01  
Lecture 132 - GPS - Track the route - Part 02  
Lecture 133 - GPS - Track the route - Part 03  
Lecture 134 - GPS - Track the route - Part 04  
Lecture 135 - Tuples- Python Data Structure  
Lecture 136 - Lottery Simulation - Profit or Loss  
Lecture 137 - Lottery Simulation - Profit or Loss - Part 01  
Lecture 138 - Lottery Simulation - Profit or Loss - Part 02  
Lecture 139 - Lottery Simulation - Profit or Loss - Part 03  
Lecture 140 - Lottery Simulation - Profit or Loss - Part 04  
Lecture 141 - Lottery Simulation - Profit or Loss - Part 05  
Lecture 142 - Lottery Simulation - Profit or Loss - Part 06  
Lecture 143 - Image Processing - Enhance your images  
Lecture 144 - Image Processing - Enhance your images - Part 01  
Lecture 145 - Image Processing - Enhance your images - Part 02  
Lecture 146 - Image Processing - Enhance your images - Part 03

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Lecture 147 - Anagrams  
Lecture 148 - Anagrams - Part 01  
Lecture 149 - Anagrams - Part 02  
Lecture 150 - Anagrams - Part 03  
Lecture 151 - Anagrams - Part 04  
Lecture 152 - Facebook Sentiment Analysis  
Lecture 153 - Facebook Sentiment Analysis - Part 01  
Lecture 154 - Facebook Sentiment Analysis - Part 02  
Lecture 155 - Facebook Sentiment Analysis - Part 03  
Lecture 156 - Facebook Sentiment Analysis - Part 04  
Lecture 157 - Natural Language Processing - Author Stylometry  
Lecture 158 - Natural Language Processing - Author Stylometry - Part 01  
Lecture 159 - Natural Language Processing - Author Stylometry - Part 02  
Lecture 160 - Natural Language Processing - Author Stylometry - Part 03  
Lecture 161 - Natural Language Processing - Author Stylometry - Part 04  
Lecture 162 - Natural Language Processing - Author Stylometry - Part 05  
Lecture 163 - Natural Language Processing - Author Stylometry - Part 06  
Lecture 164 - Natural Language Processing - Author Stylometry - Part 07  
Lecture 165 - Natural Language Processing - Author Stylometry - Part 08  
Lecture 166 - Natural Language Processing - Author Stylometry - Part 09  
Lecture 167 - Natural Language Processing - Author Stylometry - Part 10  
Lecture 168 - Introduction to Networkx - Part 01  
Lecture 169 - Introduction to Networkx - Part 02  
Lecture 170 - Six Degrees of Separation  
Lecture 171 - Six Degrees of Separation  
Lecture 172 - Six Degrees of Separation  
Lecture 173 - Six Degrees of Separation  
Lecture 174 - Area Calculation - Don't Measure  
Lecture 175 - Area Calculation - Don't Measure - Part 01  
Lecture 176 - Area Calculation - Don't Measure - Part 02  
Lecture 177 - Area Calculation - Don't Measure - Part 03  
Lecture 178 - Area Calculation - Don't Measure - Part 04  
Lecture 179 - Area Calculation - Don't Measure - Part 05  
Lecture 180 - Area Calculation - Don't Measure - Part 06  
Lecture 181 - FLAMES - Part 01  
Lecture 182 - FLAMES - Part 02  
Lecture 183 - FLAMES - Part 03  
Lecture 184 - FLAMES - Part 04  
Lecture 185 - FLAMES - Part 05

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Lecture 186 - FLAMES - Part 06  
Lecture 187 - Data Compression - Part 01  
Lecture 188 - Data Compression - Part 02  
Lecture 189 - Data Compression - Part 03  
Lecture 190 - Data Compression - Part 04  
Lecture 191 - Data Compression - Part 05  
Lecture 192 - Browser Automation Watsapp using Python - Part 01  
Lecture 193 - Browser Automation Watsapp using Python - Part 02  
Lecture 194 - Browser Automation Watsapp using Python - Part 03  
Lecture 195 - Browser Automation Watsapp using Python - Part 04  
Lecture 196 - Fun with Calendar - Part 01  
Lecture 197 - Fun with Calendar - Part 02  
Lecture 198 - Fun with Calendar - Part 03  
Lecture 199 - Fun with Calendar - Part 04  
Lecture 200 - Fun with Calendar - Part 05  
Lecture 201 - Fun with Calendar - Part 06  
Lecture 202 - Fun with Calendar - Part 07  
Lecture 203 - Fun with Calendar - Part 08  
Lecture 204 - Fun with Calendar - Part 09  
Lecture 205 - Fun with Calendar - Part 10  
Lecture 206 - Fun with Calendar - Part 11  
Lecture 207 - Fun with Calendar - Part 12  
Lecture 208 - Page Rank - How does Google Work ? - Part 01  
Lecture 209 - Page Rank - How does Google Work ? - Part 02  
Lecture 210 - Page Rank - How does Google Work ? - Part 03  
Lecture 211 - Page Rank - How does Google Work ? - Part 04  
Lecture 212 - Page Rank - How does Google Work ? - Part 05  
Lecture 213 - Page Rank - How does Google Work ? - Part 06  
Lecture 214 - Page Rank - How does Google Work ? - Part 07  
Lecture 215 - Page Rank - How does Google Work ? - Part 08  
Lecture 216 - Page Rank - How does Google Work ? - Part 09  
Lecture 217 - Page Rank - How does Google Work ? - Part 10  
Lecture 218 - Page Rank - How does Google Work ? - Part 11  
Lecture 219 - Page Rank - How does Google Work ? - Part 12  
Lecture 220 - Page Rank - How does Google Work ? - Part 13  
Lecture 221 - Page Rank - How does Google Work ? - Part 14  
Lecture 222 - Page Rank - How does Google Work ? - Part 15  
Lecture 223 - Page Rank - How does Google Work ? - Part 16  
Lecture 224 - Collatz Conjecture - Part 01

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Lecture 225 - Collatz Conjecture - Part 02  
Lecture 226 - JOC Conclusion

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