COMP302: Programming Languages and Paradigms

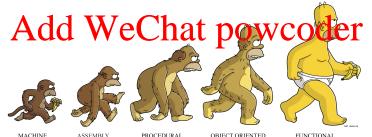
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https://powerder.com

Week 7-1, Fall 2017



Today: Exceptions (cont.)

Primary benefits:

- Assing anthogregate Phesiographic Centrol of the Company of the Co
 - Diverting control flow!
 https://powcoder.com

Add WeChat powcoder

Backtracking

General algorithm for finding all (or some) solutions incrementally –

abandons partial candidates as soon as it determines that is cannot perform the performance of the control of the c

• Important tool to solve constraint satisfaction problems such as crosswords, puzzles, Sudoko etc. Com

Add WeChat powcoder

Todays Example: Got Change?



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Implement a function change. It takes as input a list of available coins and an amount amt. It returns the exact change for the amount (i.e. a list of available coins, [c1;c2; ...;cn] such that c1 + c2 + ... + cn = amt), if possible; otherwise it raises an exception Change.