Recursion - Theory can be single or multiple when a function calls itself until a specified condition is met (base condition) void f() { < 1; < \rightarrow void f()? \rightarrow cout <<1; 1 main() { keeps going forwer injuite recursion Keeps printing 1 until it suns out of memory. Stack overflow" - numerous function calls waiting Segmentation flow due to succursion f(),l2

stack

f(), l2

f(), l2

Segmentation flow

f(), l2

all these functions

ou not complete

f(), L2

count =0 £() { cout << (count); -> 0 count ++; #1 Main () { Court =0 f() { if (count = =3) uturn; cout << Ccount); count ++; Main () { £();

Recursion tree: f()

f()

f()

Stack space: Stores yet to be completed functions