

# Debugging

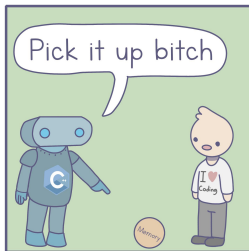
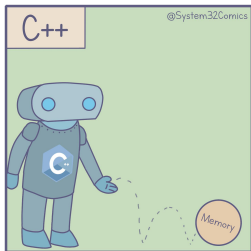
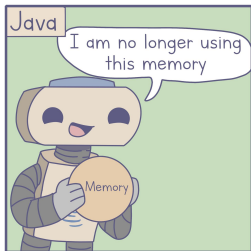
## HR Übung

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[5bremer@informatik.uni-hamburg.de](mailto:5bremer@informatik.uni-hamburg.de)

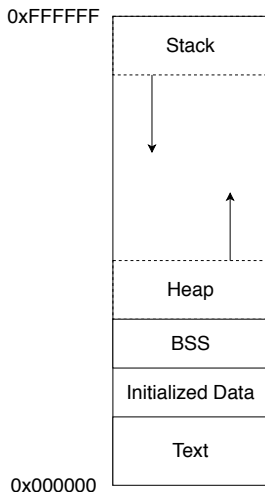
2020-11-12



@System32Comics

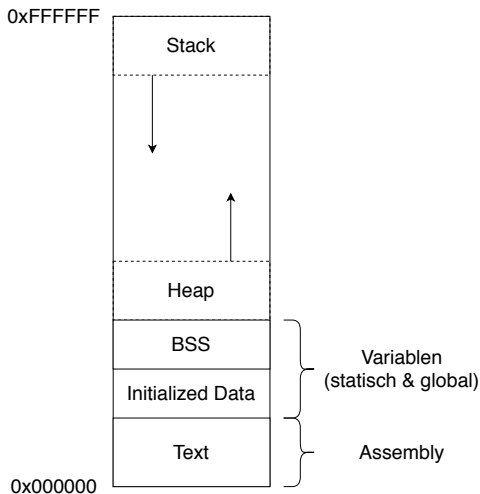
# Der Stack

- „Arbeitsdaten“
- LIFO
- push / pop Operationen
- Funktionsstack



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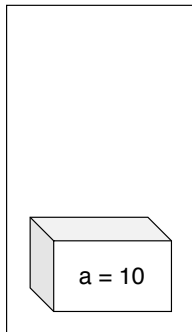
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1 int main(void)
2 {
3     int a = 10;
4     int b = 3;
5
6     int c = a + b;
7 }
```

Stack



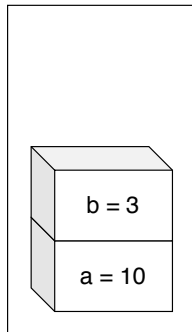
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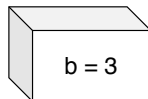
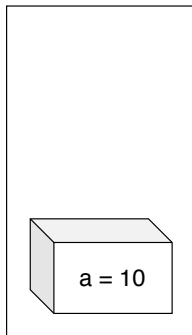
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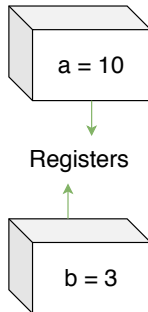
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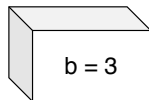
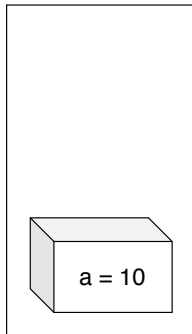
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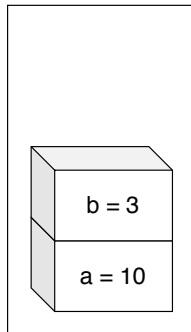
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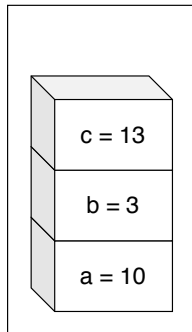
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# Frames

- Frame = Sub-Stack
- Stack Pointer
- Base Pointer
- Erste Operationen:
  - `push ebp`
  - `mov ebp esp`

