



Autofix Merge Conflict

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Our Goal & Motivation

Can we automate version control system to detect and fix simple merge conflicts?

Programmer A

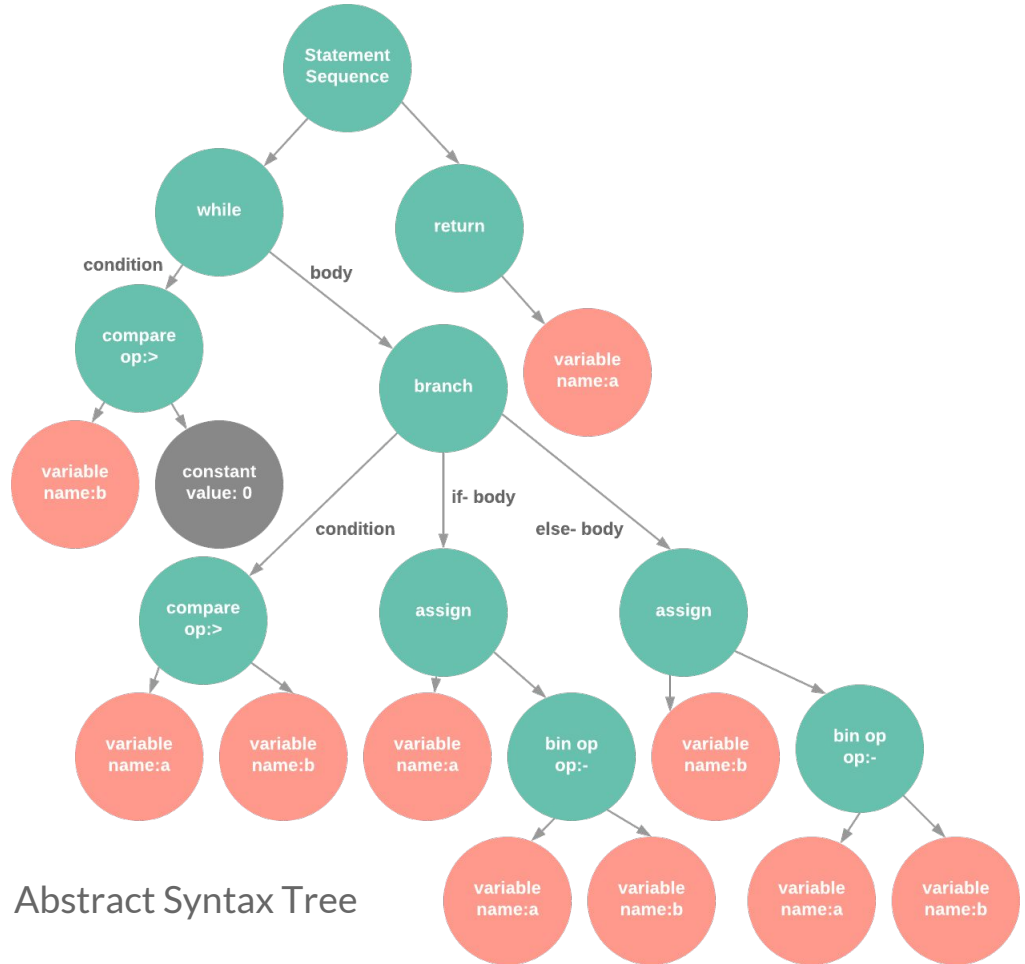
```
<Page title={
  <FormattedMessage=
    id= RouteAccountGBP.GBP
    defaultMessage= GBP
  />
}
/>
```

Programmer B

```
<Page
  title={
    <FormattedMessage=
      id= RouteAccountGBP.GBP
      defaultMessage= GBP
    />
  }
/>
```

Approach

```
while b ≠ 0
  if a > b
    a := a - b
  else
    b := b - a
return a
```





Challenges and Risks

- Order of code
- Line breaks or indentation
- Documentation
- Different variable names
- ... And more!

With these challenges, we aren't looking for necessarily identical trees, but we must consider the variability in trees