



9-6 render 阶段—completeWork

packages/react-reconciler/src/ReactFiberCompleteWork.ts

TypeScript

```
import { isNum, isStr } from "shared/utils";
import { Fiber } from "../ReactInternalTypes";
import { HostComponent, HostRoot } from "../ReactWorkTags";

export function completeWork(
  current: Fiber | null,
  workInProgress: Fiber
): Fiber | null {
  switch (workInProgress.tag) {
    case HostRoot: {
      return null;
    }
    case HostComponent: {
      // 原生标签, type 是标签名
      const { type } = workInProgress;
      // 1. 创建真实DOM
      const instance = document.createElement(type);
      // 2. 初始化DOM属性
      finalizeInitialChildren(instance, workInProgress.pendingProps);
      // 3. 把子dom挂载到父dom上
```

```

        appendAllChildren(instance, workInProgress);
        workInProgress.stateNode = instance;
        return null;
    }
    // todo
}

throw new Error(
    `Unknown unit of work tag (${workInProgress.tag}). This error is l
    "React. Please file an issue."
);
}

// 初始化属性
function finalizeInitialChildren(domElement: Element, props: any) {
    for (const propKey in props) {
        const nextProp = props[propKey];
        if (propKey === "children") {
            if (isStr(nextProp) || isNum(nextProp)) {
                // 属性
                domElement.textContent = nextProp;
            }
        } else {
            // 3. 设置属性
            (domElement as any)[propKey] = nextProp;
        }
    }
}

function appendAllChildren(parent: Element, workInProgress: Fiber) {
    let nodeFiber = workInProgress.child;
    if (nodeFiber) {
        parent.appendChild(nodeFiber.stateNode);
    }
}

```