

1 Code Block Test

1.1 Python Example

```
def calculate_metrics(data: list[dict]) → dict:  
    """Calculate key metrics from data."""  
    total = sum(item["value"] for item in data)  
    average = total / len(data) if data else 0  
  
    return {  
        "total": total,  
        "average": average,  
        "count": len(data)  
    }
```

1.2 TypeScript Example

```
interface User {  
    id: string;  
    name: string;  
    email: string;  
}  
  
async function fetchUser(id: string): Promise<User> {  
    const response = await fetch(`/api/users/${id}`);  
    return response.json();  
}
```

1.3 Bash Example

```
# Deploy to production  
npm run build && npm run test  
git push origin main
```