

1. Create the application which contains one service named as Arithmetic. Arithmetic service contains two methods named as Add and Sub. Both of these methods accept two integers and perform addition and subtraction respectively. We have to create one child component named as Demo under app component which uses Arithmetic service using Dependency Injection. These methods from the service add and sub should be called from Demo component by passing some hardcoded values. And display the result of addition and subtraction inside Demo component.



## Inside App Component

## Inside Child(Demo) Component

**Addition is 32**

**Subtraction is 10**

2. Create the application which contains two services named as Number and String. Number service contains one method named as CheckPrime() which accepts number and check whether that number is prime or not. String service contains one method named as CountCapital() which counts number of capital characters and return its count. We have to create two child component named as Child1 & Child2 under app component. Child1 uses Number service & Child2 uses String service using Dependency Injection. Call both the methods from the respective components by passing some hardcoded values and display the result.

## **Inside child 1 component**

**Given number is 7**

**Given number is prime number**

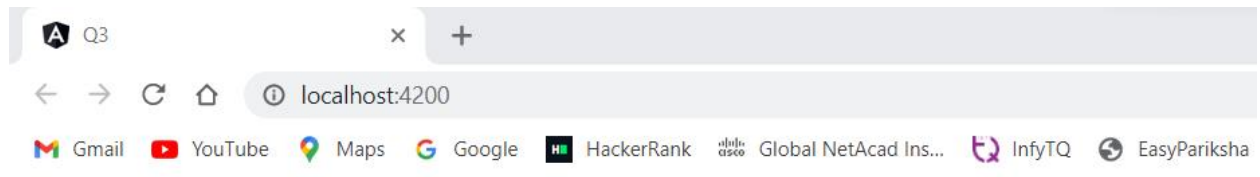
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## **Inside Child two component**

**Given string is Marvellous Infosytem**

**Count of capital letters are 2**

3. Create the application which contains two services named as Number and String Number service contains one method named as ChkPrime which accepts number and check whether that number is prime or not. String service contains one method named as CountCapital) which counts number of capital characters and return its count. We have to create one child component named as Child under app component uses Number service String service using Dependency Injection.Call both the methods from the components by passing some hardcoded values and display the result.



## **Inside child component**

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**Given number is 7**

**Given number is prime number**

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**Given string is Marvellous Infosytem**

**Count of capital letters are 2**