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//Assignment- 11 | RID-073AM_Viraj

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// Que-1

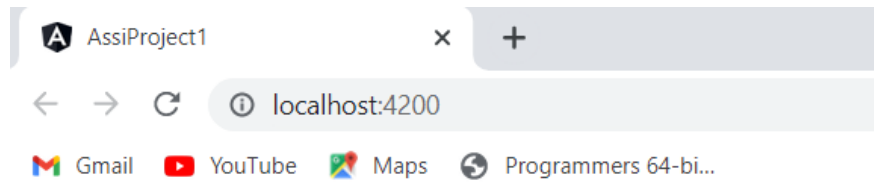
TS my-rev.pipe.ts U X

```
1  import { Pipe, PipeTransform } from '@angular/core';
2
3  @Pipe({
4    name: 'myRev'
5  })
6  export class MyRevPipe implements PipeTransform {
7
8    transform(value: string): string
9    {
10     let Temp = "";
11
12     for (let char of value)
13     {
14       Temp = char + Temp;
15     }
16     return Temp;
17   }
18 }
```

o Run Terminal Help app.component.html - AssiProject1 - Visual Studio Code

<> app.component.html M X TS my-rev.pipe.ts U

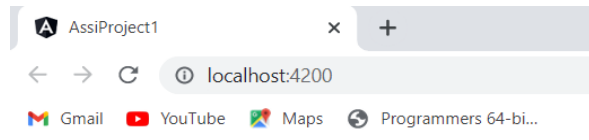
```
1 <h1>{{Name}} : {{Name | myRev }}</h1>
```



//OutPut

Marvellous : suolleVraM

//Que-2 | RID-073AM_Viraj



Addition is : 11

Multiplication is : 21

//app.html

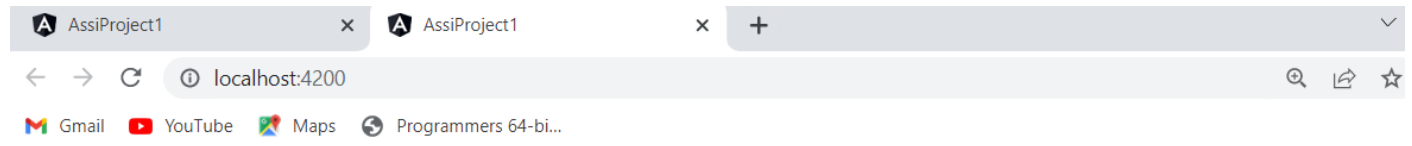
```
<> app.component.html M X TS my-mult.pipe.ts U
1 | <h1>Addition is : {{8 | myAdd : 3}}</h1>
2 |
3 | <h1>Multiplication is : {{7 | myMult : 3}}</h1>
```

//pipe myMult

```
<> app.component.html M TS my-mult.pipe.ts U X
1 | import { Pipe, PipeTransform } from '@angular/core';
2 |
3 | @Pipe({
4 |   name: 'myMult'
5 | })
6 | export class MyMultPipe implements PipeTransform {
7 |
8 |   transform(value: number, Param : number): number {
9 |
10 |     let iMult = 0;
11 |
12 |     iMult = value * Param
13 |
14 |     return iMult;
15 |   }
16 | }
```

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//Que-3 | RID-073AM_Viraj



Number is : 11

It is Prime Number , It is Not Perfect Number , It is Not Even , It is Odd

```
<> app.component.html M X TS marvellous-chk.pipe.ts U
1 | <h1>Number is : {{no}}</h1>
2 | <h2>
3 |     {{no | marvellousChk : "Prime"}} ,
4 |     {{no | marvellousChk : "Perfect"}} ,
5 |     {{no | marvellousChk : "Even"}} ,
6 |     {{no | marvellousChk : "Odd"}}
7 | </h2>
```

//pipes

```
<> app.component.html M TS marvellous-chk.pipe.ts U X
8 | transform(value: number, Param : string): string {
9 |
10 |     let Str = "";
11 |
12 |     if(Param == "Prime")
13 |     {
14 |         for(let iCnt = 1; iCnt <= value; iCnt++)
15 |         {
16 |             if(value % iCnt == 0)
17 |             {
18 |                 Str = "It is Prime Number";
19 |             }
20 |             else
21 |             {
22 |                 Str = "It is Not Prime Number";
23 |             }
24 |         }
25 |     }
26 |     if(Param == "Perfect")
```

<> app.component.html M

TS marvellous-chk.pipe.ts U X

```
57     }
58
59     if(Param == "Odd")
60     {
61         if(value % 2 != 0)
62         {
63             Str = "It is Odd";
64         }
65         else
66         {
67             Str = "It is Not Odd";
68         }
69     }
70     return Str;
71 }
72 }
```

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