```
to Number1 and Number2.
class Arithmatic
    public Number1 : number;
    public Number2 : number;
    constructor(A : number, B : number)
       this.Number2 = B;
    Addition(): number
       var Ans : number;
       return Ans;
    Substraction(): number
       var Ans : number;
   Multiplication() : number
       var Ans : number;
```

```
Division() : number
                                        var Ans : number;
                                       Ans = this.Number1 / this.Number2;
                                       return Ans;
var Obj1 = new Arithmatic(11, 10);
var Obj2 = new Arithmatic(25, 21);
var Result : number = 0;
Result = Obj1.Addition();
 console.log("Addition is : "+Result);
Result = Obj1.Substraction();
console.log("Substraction is : "+Result);
Result = Obj2.Multiplication();
 console.log("Multiplication is : "+Result);
Result = Obj2.Division();
 console.log("Division is : "+Result);
   \odot C:\WINDOWS\system32\cmd. 	imes + 	imes
 D:\MEAN Stack\01-Typescript\01-Assignments\03-Assignments-03>node 01-Arithmatic.js
  Addition is : 21
  Substraction is : 1
  Multiplication is : 525
 Division is : 1.1904761904761905
 \label{lem:decomposition} D:\mbox{MEAN Stack} $\theta 1- \mbox{Typescript} $\theta 1- \mbox{Assignments} $-\theta 3- \mbox{Assignments}
```

```
// Create on typescript application which contains one named as Circle.
// Create one parametrised constructor which accept one value and assign it
// to radius. Value of PI member is set to 3.14.
// In circle class we have to one method (Behaviours) as Area which will
return are of Circle.
// After designing the class create two objects of that class by providing
some hardcoded value.
// Call the method Area by using both the objects.
class Circle
{
    public Radius : number;
```

```
public PI : number;

constructor(rad : number, pi_val : number = 3.14)
{
    this.Radius = rad;
    this.PI = pi_val;
}

Area() : number
{
    var Ans : number;
    Ans = this.PI * this.Radius * this.Radius;
    return Ans;
}

var Result : number;
var Obj1 = new Circle(5);

Result = Obj1.Area();
console.log("Area of circle is : " +Result);

console.log("Area of circle is : " +Result
```

```
// Create one typescript application which contains one class named as CircleX
which inherits above circle class.
// In CircleX class we have to write one method(Behaviours) as Circumference
which will
// return circumference of circle.
// After designing the class create two object of that class by providing some
hardcoded
// value. Call circumference and Area method by using both the objects.

class Circle
{
    public Radius : number;
    public PI : number;
    constructor(rad : number, pi_val : number = 3.14)
```

```
Area() : number
        var Ans : number;
class CircleX extends Circle
   Circumference() : number
        var circumOfCircle : number;
        return circumOfCircle;
var Result : number;
var Obj1 = new Circle(5);
Result = Obj1.Area();
console.log("Area of circle is : " +Result);
var Obj2 = new CircleX(10);
Result = Obj2.Circumference();
console.log("Circumference of circle is : "+Result);
```

```
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```