

Typescript Assignment 1

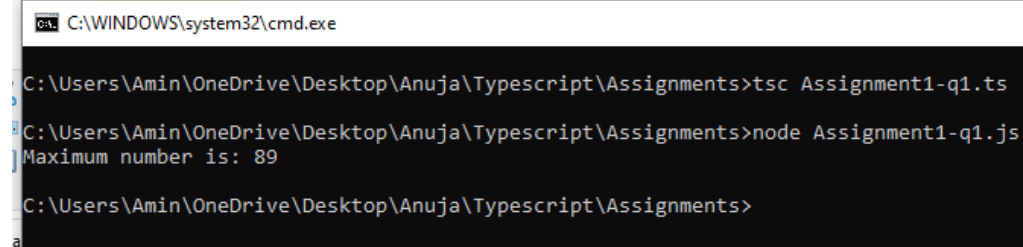
Que1:

```
function Maximum(Num1: number, Num2: number, Num3: number): void
{
    if (Num1 > Num2) {
        console.log("Maximum number is: " + Num1);
    } else if (Num2 > Num3) {
        console.log("Maximum number is: " + Num2);
    } else {
        console.log("Maximum number is: " + Num3);
    }
}

var Value1: number = 23;
var Value2: number = 89;
var Value3: number = 6;

Maximum(Value1, Value2, Value3);
```

Output:



```
C:\WINDOWS\system32\cmd.exe

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>tsc Assignment1-q1.ts
C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>node Assignment1-q1.js
Maximum number is: 89

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>
```

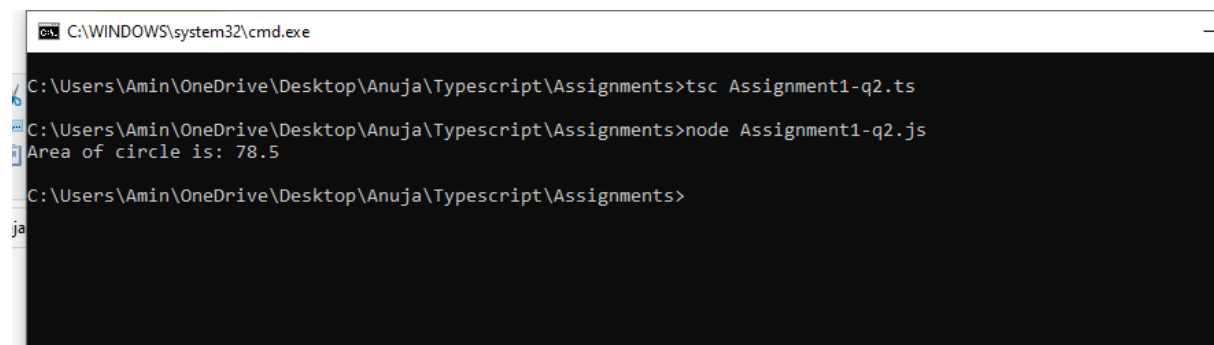
Que2:

```
function Area(Input: number): number
{
    var Result: number = 0;
    Result = 3.14 * (Input * Input);
    return Result;
}

var Input: number = 5;
var Ans: number = 0;
Ans = Area(Input);

console.log("Area of circle is: " + Ans);
```

Output:



```
C:\WINDOWS\system32\cmd.exe
C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>tsc Assignment1-q2.ts
C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>node Assignment1-q2.js
Area of circle is: 78.5
C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>
```

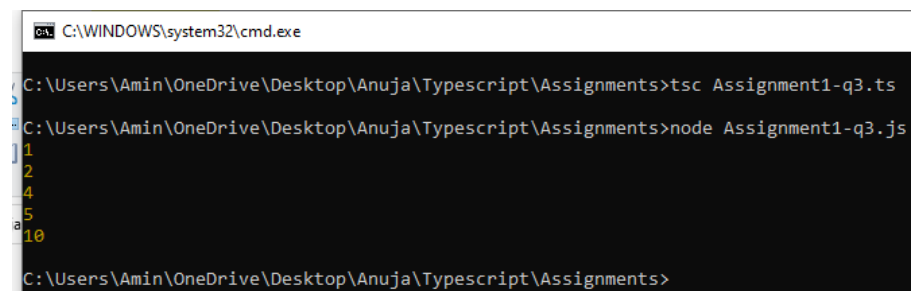
Que3:

```
function DisplayFactors(Num: number): void
{
    for (i = 1; i < Num; i++){
        if (Num % i ===0){
            console.log(i);
        }
    }
}

var i : number = 20;

DisplayFactors(i);
```

Output:



```
C:\WINDOWS\system32\cmd.exe

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>tsc Assignment1-q3.ts

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>node Assignment1-q3.js
1
2
4
5
10

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>
```

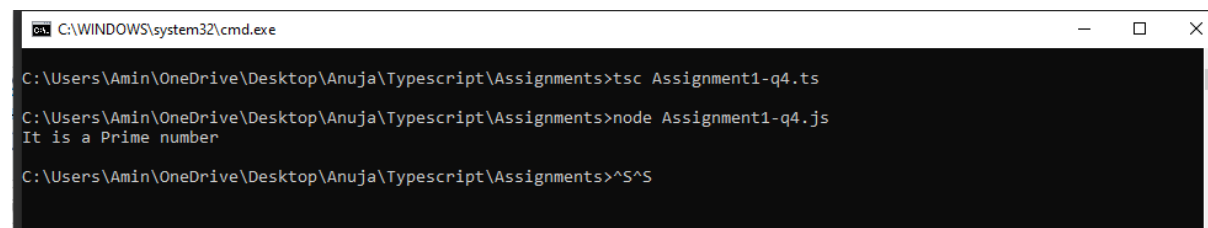
Que4:

```
function ChkPrime(Num: number): boolean{

    if (Num <= 1){
        return false;
    }
    for (Num = 2; Num <= Math.sqrt(Num); Num++){
        if (Num % Num === 0){
            return false;
        }
    }
    return true;
}

var Input: number = 11;
var Ans = ChkPrime(Input);
console.log("It is a Prime number");
```

Output:



```
C:\WINDOWS\system32\cmd.exe

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>tsc Assignment1-q4.ts
C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>node Assignment1-q4.js
It is a Prime number

C:\Users\Amin\OneDrive\Desktop\Anuja\Typescript\Assignments>^S^S
```