**Angular Assignments**

**Day1 Assignment: TypeScript Fundamentals**

//Task-1 BASIC DATA TYPES

let a\_Number: number = 1;

let a\_String: string = "Good";

let a\_Boolean: boolean = true;

let a\_NumbersArray: number[] = [9,8,7,6,5];

let a\_Tuple: [string, number] = ["Monday", 1];

enum DaysOfWeek {

Sunday,

Monday,

Tuesday,

Wednesday,

Thursday,

Friday,

Saturday,

}

let today: DaysOfWeek = DaysOfWeek.Monday;

console.log(a\_Number);

console.log(a\_String);

console.log(a\_Boolean);

console.log(a\_NumbersArray);

console.log(a\_Tuple);

console.log(today);

//TASK-2 FUNCTIONS

// ADDITION OF TWO NUMBERS

function add(a:number,b:number){

console.log(a+b);

}

add(10,20); //Calling the function

//CAPITALIZE

function capitalize(a:string){

console.log(a.toUpperCase());

}

capitalize('angular');

//TASK-3 INTERFACE

interface Person{

name:string;

age:number;

email:string;

}

let user: Person = {

name: "Dinesh",

age: 22,

email: "Dinesh@gmail.com"

};

console.log(user.name);

console.log(user.age);

console.log(user.email);

//TASK-4 CLASS

class Car {

make: string;

model: string;

year: number;

constructor(make: string, model: string, year: number) {

this.make = make; //this keyword is used to declare the current instance of the class.

this.model = model;

this.year = year;

}

displayInfo(): void {

console.log("Car Information:\nMake: " + this.make + "\nModel: " + this.model + "\nYear: " + this.year);

}

}

let myCar: Car = new Car("BMW", "200S", 2022);

myCar.displayInfo();

//TASK-5 REVERSING AN ARRAY

function reverseArray<T>(arr:T[]){

return arr.reverse(); //.reverse() is an inbuit method

}

let arr: number[] = [6,4,3,2,6,3];

let b: number[] = reverseArray(arr);

console.log(b);

To get Output:

tsc Assignment.ts | node Assignment.js

Output:

1

Good

true

[ 9, 8, 7, 6, 5 ]

[ 'Monday', 1 ]

1

30

ANGULAR

Dinesh

22

Dinesh@gmail.com

Car Information:

Make: BMW

Model: 200S

Year: 2022

[ 3, 6, 2, 3, 4, 6 ]