# Mod.ts

export default function GetEvenNumbers():number{

    var array : number[] = [];

    let i :number;

    for(i = 0; i<10; i++){

        array[i] = Math.floor(Math.random() \* (10 - 1 + 1)) + 1;

    }

    var x:number = 0;

    console.log(`Array is [${array}]`);

    array.forEach((element) => {

        if (element % 2 == 0) {

          x += element;

        }

      });

    return x;

}

export function CheckPalindrome(word : string):boolean{

    let wordRev : string = "";

    for(let i : number = 0; i < word.length; i++){

        wordRev += word[i];

    }

    if(wordRev === word){

        return true;

    }

    return false;

}

export function ReturnUpperCases(wordArray : string[]):string[]{

    let result: string[] = []; // Initialize result as an empty array

  for (let i: number = 0; i < wordArray.length; i++) {

    if (wordArray[i] === wordArray[i].toUpperCase()) {

      result.push(wordArray[i]);

    }

  }

  return result;

}

## App.ts

import GetEvenNumbers from "./mod"

import { CheckPalindrome } from "./mod"

import { ReturnUpperCases } from "./mod"

console.log(`Sum of even numbers in an array ${GetEvenNumbers()}`)

console.log(`Is Panindrome ${CheckPalindrome("pip")}`)

console.log(`UpperCase Result Array ${ReturnUpperCases(["HI","hi","THIS","this", "IS","is","MAYIHS","mayihs"])}`)

# Result:

