**TYPESCRIPT EXERCISES / CODES:**

Ex#1:

console.log('Hello World This is Sabeera');

//Exercise#2-store data in variable, and print a message using that variable.

let friendname:string = "Hira"

let message1:string= `Hi ${friendname}! Hope you are doing good !.`

console.log(message1)

//Exercise#3- Name Cases:Store a person’s name in a variable, and then print

//that person’s name in lowercase, uppercase, and titlecase.

let Myname: string = "saBEera FatiMa"

console.log("my Name: ", Myname);

//Case#1 UPPERCASE

let cnvtUC: string= Myname.toUpperCase();

console.log ("My name in Upper Case= ", cnvtUC);

//Case#2 LOWERCASE

let cnvtLC: string= Myname.toLowerCase();

console.log ("My name in Lower Case= ", cnvtLC);

//Case#3 TITTLECASE

let word: string[] =Myname.split(" ");

let titleName: string =" "

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

{

titleName +=word[i].charAt(0).toUpperCase() + word[i].slice(1).toLowerCase()+" ";

};

console.log("My name in Tittle Case=", titleName);

//**Exercise#4-** Famous Quote: Find a quote from a famous person you admire.

//Print the quote and the name of its author. Your output should look something like the following,

//including the quotation marks:

//Albert Einstein once said, “A person who never made a mistake never tried anything new.”

console.log ("Napoleon Bonaparte once said,\"Impossible is a word to be found only in the dictionary of fools.\"")

//Exercise#5- Famous Quote 2: Repeat Exercise 4, but this time store the famous person’s name in a variable called famous\_person.

//Then compose your message and store it in a new variable called message. Print your message.

let A1: string= "Napoleon Bonaparte"

console.log( `${A1} once said,\"Impossible is a word to be found only in the dictionary of fools.\"`);

Ex#6 /\*Stripping Names: Store a person’s name, and include some whitespace characters

at the beginning and end of the name. Make sure you use each character combination,

"\t" and "\n", at least once. Print the name once, so the whitespace around the name is displayed.

Then print the name after striping the white spaces.\*/

let myname: string = "\tsabeera Fatima\n";

console.log("Name with whitespace:", myname);

let strippedName: string = myname.trim();

console.log("Stripped name:", strippedName);

//Ex 7&8: Number twelve: Write addition, subtraction, multiplication, and division operations

//that each result in the number 12.

//Be sure to enclose your operations in print statements to see the results.

console.log("ARITHIMATIC OPERATIONS");

console.log("Addition:7+5=", 7 + 5);

console.log("Subtraction: 20-8=", 20 - 8);

console.log("Multiplication: 2\*6=", 2 \* 6);

console.log("Division: 24/2=", 24 / 2);

//Exercise #9- Favorite Number: Store your favorite number in a variable.

//Then, using that variable, create a message that reveals your favorite number. Print that message.

let favNum: number= 102

let message: string = `let me tell you my favourite number, it's ${favNum}!`

console.log(message)

/\*EXERSICE#11  Names: Store the names of a few of your friends in a array called names.

Print each person’s name by accessing each element in the list, one at a time.\*/

let names: string[]= ["Hira" , "Fatima", "Hiba", "Rabiya"];

console.log(names);

console.log(names[0]);

console.log(names[1]);

console.log(names[2]);

console.log(names[3]);

/\*EXERCISE#12  Greetings: Start with the array you used in Exercise 11, but instead of just

printing each person’s name, print a message to them.

The text of each message should be the same, but each message

should be personalized with the person’s name.\*/

let names = ["Hira", "Fatima", "Hiba", "Rabiya"];

console.log(names);

console.log(`Hi ${names[0]}! hope you are doing good :)`);

console.log(` ${names[1]} please retunr my books`);

console.log(`hi ${names[2]}, how do yo do?`);

console.log(`Dear ${names[3]} do let me know when you are bak in town !`);