**Question 1:**

**Done**

**Question 2:**

Personal Message: Store a person’s name in a variable, and print a message to that person. Your message should be simple, such as, “Hello Eric,

would you like to learn some Python today?”

let person :String = " Hello Eric "

console.log (person , " would you like to learn some Python today? ")

**OUTPUT**

Hello Eric would you like to learn some Python today?

**Question :3**

let my\_name:string = "Shaman Balouch";

// lower case

console.log ("this one for lower case ");

let lowercase : string = my\_name.toLowerCase();

console.log (lowercase);

// upper case

console.log ("this one for upper case ");

  let uppercase :string = my\_name.toUpperCase();

  console.log (uppercase);

**Output:**

this one for lower case

shaman balouch

this one for upper case

SHAMAN BALOUCH

**Title case**

const personName: string = "shaman balouch ";

const words: string[] = personName.split(" ");

let titleCase: string = "";

// Iterate through each word and convert to title case

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

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

}

console.log(titleCase.trim());

OUTPUT

Shaman Balouch

Question 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('Quaid-e-Azam once said , " work , work ,work , and work frse work dobara work fr dobara work sona bi hai ya nai  😂🤣😁 . "')

console.log("above just jock but if you work hard u will be success in your life ")

console.log(' Albert Einstein once said, “A person who never made a mistake never tried anything new.”')

**OUTPUT**

PS C:\Users\PC\Desktop\typeScript> tsc main.ts

PS C:\Users\PC\Desktop\typeScript> node main.js

Quaid-e-Azam once said , " work , work ,work , and work frse work dobara work fr dobara work sona bi hai ya nai 😂🤣😁 . "

above just jock but if you work hard u will be success in your life

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

**Question 5**

let famous\_person :string = " Quaid-e-Azam";

let message :string = famous\_person + 'once said , " work , work , work and work " ';

console.log(message);

**OUTPUT**

Quaid-e-Azam once said , " work , work , work and work "

Question 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 my\_name :string = "\t shaman baloch \n";

console.log("Name with whitespace " , my\_name);

let strippedName : string = my\_name.trim()

console.log("strippedName ", strippedName);

**OUTPUT**

Name with whitespace shaman baloch

strippedName shaman Baloch

Question 7: Number Eight: Write addition, subtraction, multiplication, and division operations that each result in the number 8. Be sure to enclose your operations in print statements to see the results.

//addtition of two number

const Addition :number=4+4

console.log(Addition)

//subtraction  of two number

const substraction :number=12-4

console.log(substraction)

//multilpication  of two number

const multplication :number=4\*2

console.log(multplication)

//division  of two number

const divisition :number=64/8

console.log(divisition)

**OUTPUT:**

PS C:\Users\PC\Desktop\typeScript> tsc main.ts

PS C:\Users\PC\Desktop\typeScript> node main.js

8

8

8

8

**Question 8**

console.log ("print sum of two number in four lines ");

console.log (5+3);

console.log (5+3);

console.log (5+3);

console.log (5+3);

console.log ("if each lines output  8 then , then above output is correct");

**Output:**

print sum of two number in four lines

8

8

8

8

if each lines output 8 then , then above output is correct

Question 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 favoritenumber:number = 4

let message  :string = `My favorite number is  ${ favoritenumber} `;

console.log(message)

**OUTPUT**

My favorite number is 4

**Question 10**

**Comments means simple add comment in your code , if any other user use this code , that person understood what you wants to say**

Adding Comments: Choose two of the programs you’ve written, and add at least one comment to each. If you don’t have anything specific to write

because your programs are too simple at this point, just add your name and the current date at the top of each program file. Then write one sentence

describing what the program does.

//plz don't change value of a or b if u change value of a or b then all function will be change

let a:number =20

let b:number=2

console.log("addition of two number is ", a+b)

console.log("substraction of two number is ", a-b)

console.log("division of two number is ", a/b)

console.log("multiplication of two number is ", a\*b)