1) Write JS code to display the following output using a **single** console.log statement:

	Output should be as shown below	Code
(a)	"The quick brown fox jumps over the lazy dog."	

(b)	```
	   _____
	  /. .\
	  | \/ |
	  _____/
	``	

(c)	I've tried so hard and got so far and in the end it doesn't even matter.	

2) Identify and state reason(s) if the following variable names is valid/invalid.

	Variable Name	Valid / Invalid	Reason(s)
(a)	n@m3		
(b)	while		
(c)	1234Hi5		
(d)	$I__I$		
(e)	P0ck3t		
(f)	Mr. Molly		
(g)	switch		
(h)	_MannerMakesMan		

3)   Determine the most suitable data type for the following categories:

	Category	Data Types
(a)	Mailing Address	
(b)	Body Mass Index (BMI)	
(c)	Credit Card Number (16 digits)	
(d)	Is a year a leap year	
(e)	Amount of Water in Water Bottle	
(f)	Does password contains at least 8 characters	
(g)	Movie Title & Director	
(h)	Year Published of a Book	

4)   Trace the following code to determine the final value printed. You are to treat each part independently.

	Program	Output

(a)	<pre>let x = 4;
	x = 5;
	console.log(x);</pre>	

(b)	<pre>let x, y;
	x = 5;
	y = x;
	console.log(y);</pre>	

(c)	<pre>let x, y;
	y = x;
	console.log(y);</pre>	

(d)	<pre>let x, y, z;
	z = 2;
	y = z;
	x = y;
	console.log('z');</pre>	

5) Using Visual Studio, type out following program, run and check the output. Can you trace the codes and explain the output printed.

		Program	Output
| (a) | | ```
let x = 4;
let x1 = 5;
console.log(x);
``` | |
| (b) | | ```
let boys, girls;
boys = 25;
girls = 35;

console.log(boys);
console.log(girls);
``` | |
| (c) | | ```
let oldTax=6,
let newTax=10;
oldTax = newTax;
console.log(oldTax);
``` | |
| (d) | | ```
let x=0, y=0, z=0;
z = 2;
y = z;
x = y;
console.log(x);
``` | |

6) Using Visual Studio, write a program using only 1 **console.log** to output the following program below:

```
Module Code\Name: ST0523\"Fundamentals of Programming"
        CA 1              :40%
        CA 2              :20%
        EXAM              :40%
        Total ---------->:100%
```

-- End --