**Assignment: Level 1**

1. Circumference of a circle is calculated as follows: *circumference = 2πr*. Write a function which calculates *circumOfCircle*
2. Body mass index (BMI) is calculated as follows: *bmi = weight in Kg / (height x height) in m2*. Write a function which calculates *bmi*. BMI is used to broadly define different weight groups in adults 20 years old or older.Check if a person is *underweight, normal, overweight* or *obese* based the information given below.
   * The same groups apply to both men and women.
   * *Underweight*: BMI is less than 18.5
   * *Normal weight*: BMI is 18.5 to 24.9
   * *Overweight*: BMI is 25 to 29.9
   * *Obese*: BMI is 30 or more

**Assignment: Level 2**

1. Linear equation is calculated as follows: *ax + by + c = 0*. Write a function which calculates value of a linear equation, *solveLinEquation*.
2. Write a function \_name *showDateTime* which shows time in this format: 08/01/2020 04:08 using the Date object.
3. Declare a function \_name *swapValues*. This function swaps value of x to y.
4. Declare a function \_name *userIdGenerator*. When this function is called it generates seven character id. The function return the id.
5. console.log(userIdGenerator());

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**Assignment: Level 3**

1. Write a function called *isPrime*, which checks if a number is prime number.
2. Write a function which checks if all items are unique in the array.
3. Write a function which checks if all the items of the array are the same data type.
4. JavaScript variable \_name does not support special characters or symbols except $ or \_. Write a function **isValidVariable** which check if a variable is valid or invalid variable.
5. Write a function which returns array of seven random numbers in a range of 0-9. All the numbers must be unique.
6. Write a function called reverse\_countries, it takes countries array and first it copy the array and returns the reverse of the original array