Function

1. Write a function that takes a number and a character (as parameters) and prints a triangle of that size using the specified character.
2. Write a function that takes the radius of a sphere as a parameter and returns its volume.
3. Write a function that takes a number as parameter and returns the factorial.
4. Write a function that takes an integer as parameter and returns the number of digits.
5. Write a function that takes an integer as parameter and returns the sum of digits.
6. Write a function that takes an integer as parameter and returns the reverse number.
7. Write a function that takes two numbers as parameters and returns their HCF.
8. Write a function that takes two numbers as parameters and returns their LCM.
9. Write a function that checks if a number is prime or not. If the number is prime the function returns true, otherwise false. Also try functions for checking perfect numbers and palindromes.
10. Write a function that sorts an array of numbers. In the main function, first create and print the unsorted array, then use the function to sort the array, then print the sorted array.
11. Write a function that returns the minimum, maximum and the average value of an array passed as a parameter.
12. Write a function that takes a string as parameter and returns the number of words in that string.
13. Write a function that takes a string as a parameter, changes all the letters to uppercase letters and returns the updated string.
14. Write a function that takes an IUB student ID as a string parameter, then checks if the ID is valid. If the ID is valid the function returns true, otherwise it returns false.
15. Write a function that returns *the answer to life the universe and everything*.