Lesson 22 – JavaScript Exercise II.

Note: Complete exercises from the previous lesson before working on these!

Exercises:

1. Write a JavaScript program to convert temperatures to from Celsius to Fahrenheit.

   [Formula: c/5 = (f-32)/9 [where c = temperature in Celsius and f = temperature in Fahrenheit]

   Example output: 60°C is 140 °F

2. Write a JavaScript program to check if the last digit of the three given positive integers is same.

3. Write a JavaScript program to move last three character to the start of a given string.

4. Write a JavaScript program to reverse a given string.

5. Write a JavaScript program that checks if a string is a palindrome.

6. Write a JavaScript program to check if all the digits in a given number are the same or not

7. According to Wikipedia a happy number is defined by the following process: "Starting with any positive integer, replace the number by the sum of the squares of its digits, and repeat the process until the number equals 1 (where it will stay), or it loops endlessly in a cycle which does not include 1. Those numbers for which this process ends in 1 are happy numbers, while those that do not end in 1 are unhappy numbers (or sad numbers)". Write a JavaScript program to find and print the first 5 happy numbers.

8. Write a JavaScript program to compute the greatest common divisor (GCD) of two positive integers.

Next lesson ---> TEST!