JavaScript Assignment chap 21 - 30

Strings: Measuring Length and Extracting Part

1. let str = "Hello, World!"; Write a code to measure the length of str and print it.

2. let str = "Hello, World!"; Write a code to extract and print the substring "World" from str.

3. let sentence = "The cat is sleeping"; Write a code to check if "cat" exists in sentence and print true or false.

4. let sentence = "The cat is sleeping"; Write a code to find and print the starting index of "sleep" in sentence.

Strings: Finding a Character at a Location

1. let text = "JavaScript"; Write a code to print the character at index 3 of text.

2. let text = "Programming"; Write a code to print the last character of text.

Rounding Numbers

1. let num = 7.8; Write a code to round num to the nearest integer and print it.

2. **let num = 5.9; Write a code to use Math.floor() on num and print the result.**

3. **let num = 4.2; Write a code to use Math.ceil() on num and print the result.**

Generating Random Numbers

1. Write a code to generate and print a random number between 0 and 1.

2. Write a code to generate and print a random whole number between 1 and 10.

3. Converting Strings to Integers and Decimals

4. let strNum = "100"; Write a code to convert strNum to an integer and print it.

5. let strFloat = "3.141"; Write a code to convert strFloat to a decimal number and print it.

Converting Strings to Numbers and Numbers to Strings

1. let num = 250; Write a code to convert num to a string and print it.

2. let strNum = "45.67"; Write a code to convert strNum to a number using Number() and print it.

3. let num = 5.6789; Write a code to round num to 2 decimal places and print it.

4. let num = 3.1415926535; Write a code to limit num to 4 decimal places and print it.