Session 5: JavaScript Basics

Assignment

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Assignment – Write a JavaScript function calcCircleArea(r) that takes as a parameter the radius of a rectangle and calculates and returns its area.

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1. Introduction

This assignment will test your skills on JavaScript Basics learnt in the class.

2. Objective

This assignment will help you to master the following concepts:

- JavaScript variables

3. Prerequisites

Not applicable.

4. Associated Data Files

Not applicable.

5. Problem Statement

Write a JavaScript function calcCircleArea(r) that takes as a parameter the radius of a rectangle and calculates and returns its area. Put the function in a file named circle-area.js. Write a HTML page circle-area.html that includes the script circle-area.js and calculates and prints in the page body the area of circles of size r=7, r=1.5 and r=20.

6. Expected Output

r = 7; area = 153.93804002589985

r = 1.5; area = 7.0685834705770345

r = 20; area = 1256.6370614359173

7. Approximate Time to Complete Task

15 mins