IS145 Exam 3 Topics

Tutorial 9 – Getting Started with JavaScript

Server-side vs. client-side programming

JavaScript – client-side, interpreted, programming language

Script element, external link to script (.js) file, embedded script, defer attribute

JavaScript comments formats

Statement format including object, method and argument

Strict mode

JavaScript object types, BOM, DOM

Referencing an element by id using document.getElementById(id)

element.innerHTML, element.outerHTML

Variables – declaration, names, value assignment, data types

Date objects, declaration, methods, timed commands

Operators, assigning values, Math objects

Functions, function coding, function calls

Tutorial 10 – Exploring Arrays, Loops, and Conditional Statements

Arrays – purpose, declaration, index, name, length(optional)

Assigning values to an array

Array reverse and sort methods

Array slice and splice methods

Program loops – for, while

Comparison and logical operators

Conditional statements – if, if else, else if

Break and continue commands

Tutorial 11 – Working with Events and Styles

JavaScript events, event handler, <element onevent = “script”>

Event handlers for the browser window

Event object, object properties, object properties and inline styles

Object collections with CSS selectors

Mouse events

The event model, event listener, event propagation

Keyboard events

Functions as objects

Displaying dialog boxes – alert, confirm, prompt