ANNOUNCEMENTS

- Exam next Monday
- No posting of code in the forum.
- You must implement programming projects by yourself.
CONFIRM

- confirm function returns true if the user selects OK and false for Cancel
- Example: confirm.html
INTRODUCTION TO FUNCTIONS

- Function - An entity that completes a particular task for us.
- It can take values necessary to complete a particular task.
- It can return values.
- After completing a task it returns to the point after the call.
- Examples of JavaScript functions.
  - `document.writeln`
  - `alert()`
- You can define your own functions.
- **Example:** Function.html
INTRODUCTION TO FUNCTIONS

- General form of a function is:

  ```
  function name (<comma-separated list of parameters>) {
  statements
  }
  ```

- Functions are invoked by using the () operator.
- A function can receive values via parameters.
- Some functions may not return a value.
- Some functions may not take any parameters.
- There are other approaches to define functions.
Advantages of functions are:

- Allows you to factor out common code.
- Allows you to reuse code.
- Allows you to control the code complexity.

While designing a solution to a problem you can divide a problem into sub-problems each represented by a function.
INCREMENTAL CODE DEVELOPMENT

- Write a little bit of code, make sure it works, before moving forward.
- With the passing of time you will be able to write larger segments of code.
- Do not write a lot of code and then try to figure out why it does not work.
- Code Development Example: Program that displays:
  “Good Morning”,
  “Good Afternoon” (before 4pm)
  “Good Evening”, (before 8pm)
  “Good Night”
TESTING

- How can we test our previous program?
- What are the most simple cases?
- How can we be sure we don’t have any errors?