

Question 1: Nussinov Jacobson algorithm possibilities

Question 2: Types of RNA and their functions

Question 3: Define the following terms:

1. Heuristic
2. System
3. System architecture
4. Analysis of Algorithm

Question 4: Define the following terms.

1. Object
2. Event Handler
3. Local Variable
4. Scope of Variable
5. Array

Answer:

Object

A named collection of properties(data, state) & methods (instructions, behavior)

Event Handler

An event handler is a command which calls a function when an event happens, such as the user click in a button

Local Variable

Declaring variables (using the var keyword) within a function, makes them local. They are available only within the function and hold no meaning outside of it

Scope of Variable

Defining the space in which a variable is effective is known as defining the scope of a variable. A variable can be either local or global in scope

Array

An indexed list of elements

Question 5: Differentiate between Empire Building and Garbage Can Model.

Answer:

Empire Building

Empire building is a business term that refers to a common problem in larger organizations, in which managers attempt to gather more administrative and financial power. Power can only be shared in an organization with key employees in terms of their responsibilities & functions. Such employees are the key players in the decision making process. Hence decisions taken in an organization are a result of collective efforts of the leaders involved. This model is also termed as Political Model.