1. Using this object literal, create a constructor and instantiate this teacher as an instance of the constructor. var teacher = { firstname = “Ian”, lastname = “Lasky”, Degree = “MS”, Department = “BE”, Age = 47 };

Text

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1. A constructor is a \_\_\_\_\_\_\_\_\_\_\_.
   1. Function that are meant to be used with the new operator. We capitalize the names of constructors by convention.
2. What happens if you forget to use the keyword new with a constructor?
   1. No object is created. This will cause errors in the code that can be difficult to debug.
3. What does a constructor function return?
   1. We can use constructors to return useful objects like date objects, regular expressions and arrays.
4. What is an object literal? Show me an example of an object literal in Chapter 12.
   1. Object literals give you a convenient way to create objects any where in the code but when I need to create lots of objects.
   2. var cadiParams = {

Make=”GM”,

Model: “Cadillac”,

Year:1955,

Color: “tan”

};

1. What would you use if you wanted to know if an object was created by a specific constructor?
   1. To know if an object was created by a specific constructor, use the **instanceof** operator.
2. List 3 builtin constructors that JavaScript comes with.
   1. new Date() – creates a new date representing the current date and time.
   2. new Array() – creates an empty array with length zero
   3. .reverse() – This reverses all the values in the array.
3. What keyword is used in a constructor to allow access to the object being constructed and adds properties to that object?
   1. The  **new** keyword.
4. How are objects customized and initialized in Chapter 12?
   1. Objects are customized by using constructors in chapter 12.
   2. To initialize an object/ constructor:

Text

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1. When is it better to use a Constructor rather than an object literal?
   1. A constructor is an ideal path when we need to create many similar objects just like what we did in Lab12 with multiple different car models.