**Day 11**

**Difference between Constructors and Methods**

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| **Constructors** | **Methods** |
| A Constructor is a block of code that initializes a newly created object. | A Method is a collection of statements which returns a value upon its execution. |
| A Constructor can be used to initialize an object. | A Method consists of Java code to be executed. |
| A Constructor is invoked implicitly by the system. | A Method is invoked by the programmer. |
| A Constructor is invoked when a object is created using the keyword new. | A Method is invoked through method calls. |
| A Constructor doesn’t have a return type. | A Method must have a return type. |
| A Constructor initializes a object that doesn’t exist. | A Method does operations on an already created object. |
| A Constructor’s name must be same as the name of the class. | A Method’s name can be anything. |
| A class can have many Constructors but must not have the same parameters. | A class can have many methods but must not have the same parameters. |
| A Constructor cannot be inherited by subclasses. | A Method can be inherited by subclasses. |
| In constructor, the state is shown | Whereas in Methods, it’s the behaviour that is seen |