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| --- | --- |
| Heap | Stack |
| all the parts of the application | one thread of execution. |
| Size | Size very less |
| Store Objects | An object reference, local Primitive values |
| Globally Access | Cant be accessed by other threads |
| Memory Management – more complex | Memory management – LIFO manner |
| Memory - start till the end of application execution | Memory - Short live |
| Define Memory Stratup , max- -Xms and -Xmx JVM option | Memory size - -Xss |
| Memory full - Java runtime throws java.lang.OutOfMemoryError: Java Heap Space error. | Java runtime throws java.lang.StackOverFlowError |
| Memory Speed - Slower | Faster |
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