

Java Assignment - AU 2019

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1) JVM arguments:- Limiting Heap Size:-

JVM argumets: -Xmx1m

Program:

```
public class MemoryException {  
    static int size=0;  
    public static void main(String args[]) {  
        while(true)  
        {  
            double[] tons=new double[size];  
            size*=1000000;  
  
        }  
    }  
}
```

Output:

Exception in thread "main" java.lang.OutOfMemoryError: GC overhead limit exceeded
at MemoryException.main(MemoryException.java:8)

2) Size of each heap segments:-

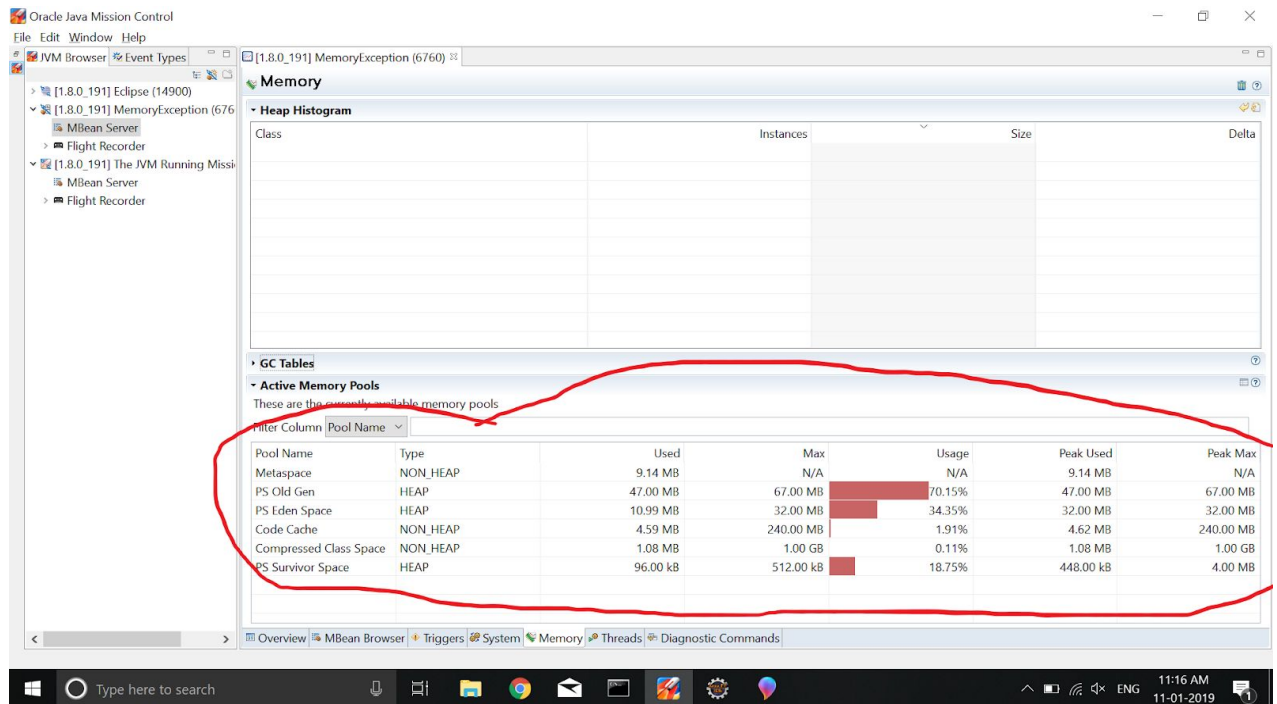


Fig. JVM Memory Pool

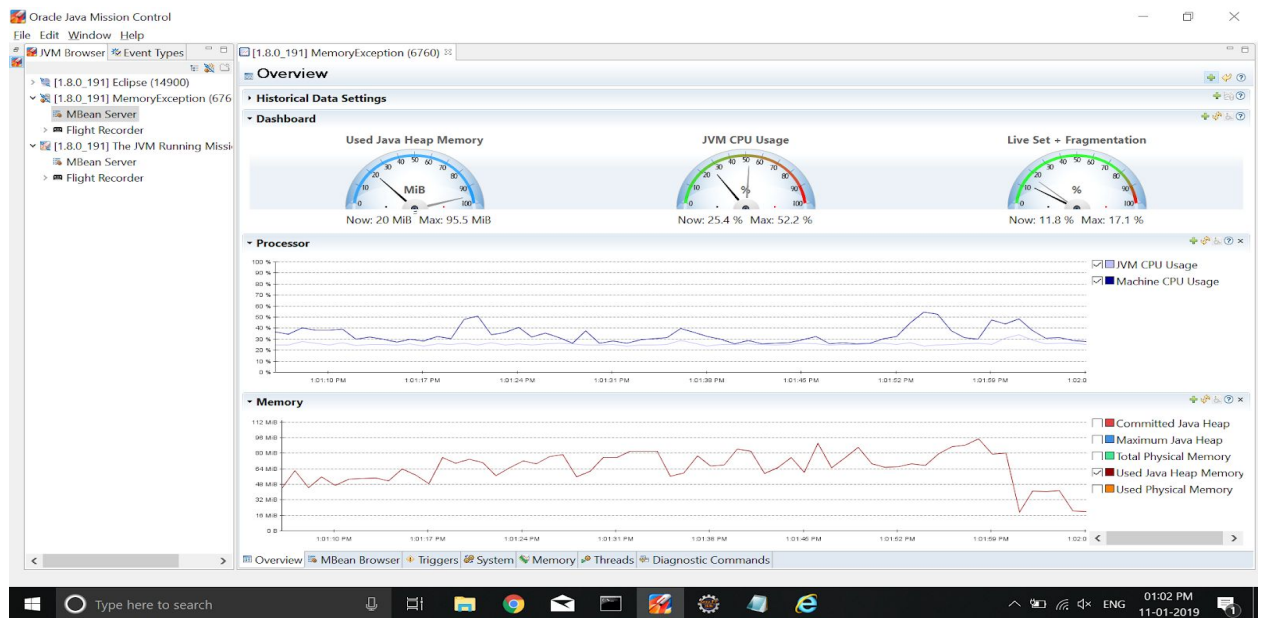


Fig. Java Mission Control Overview

3) Spring boot- Maven:-

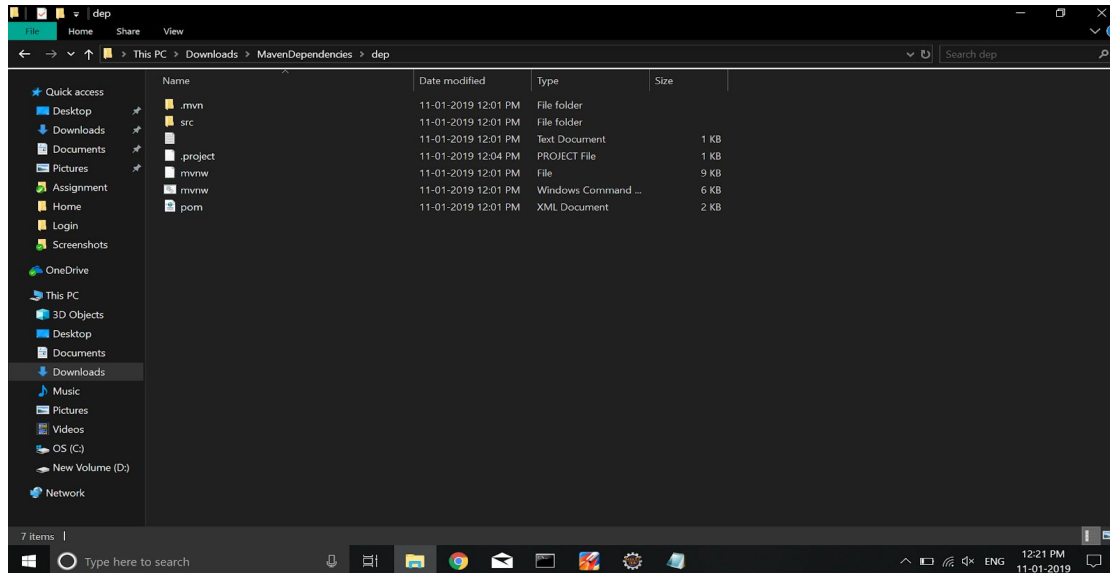


Fig. File Structure of Maven Spring boot proj

Output:

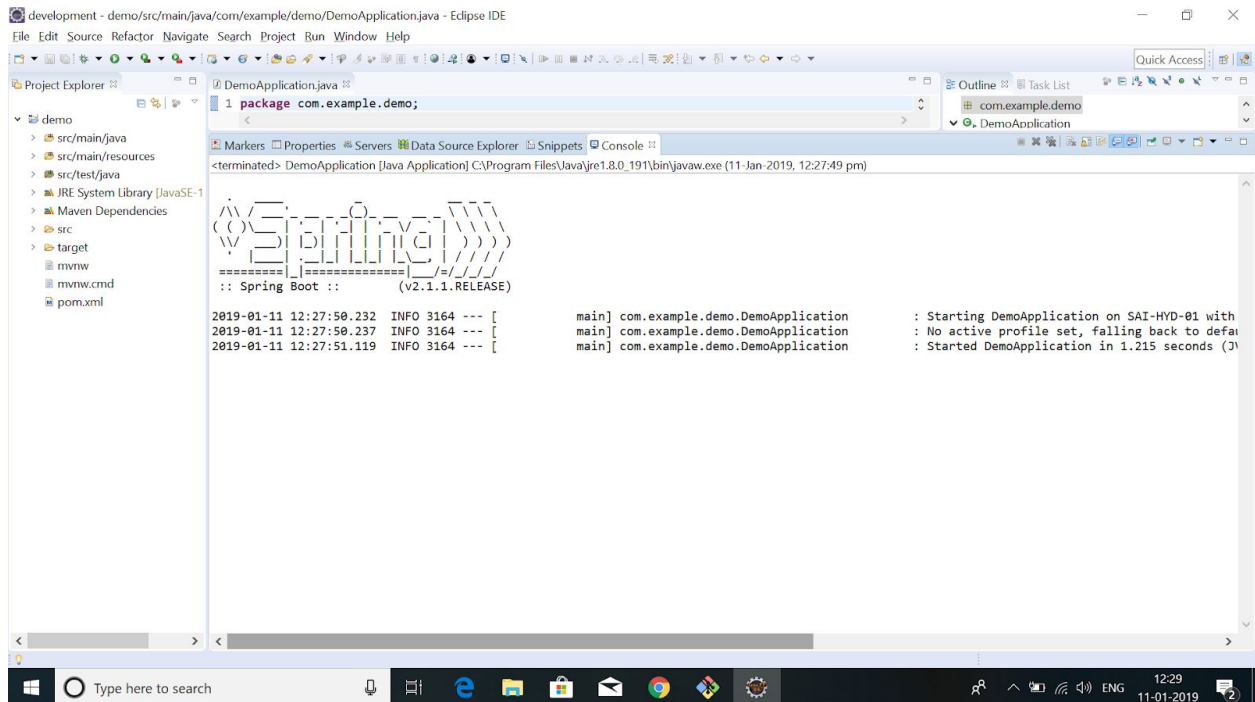


Fig. Spring boot output