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Class: PPP-BSSE-7th

Subject: Software Engineering Economics

Submitted to: Ms. Madnia Ashraf

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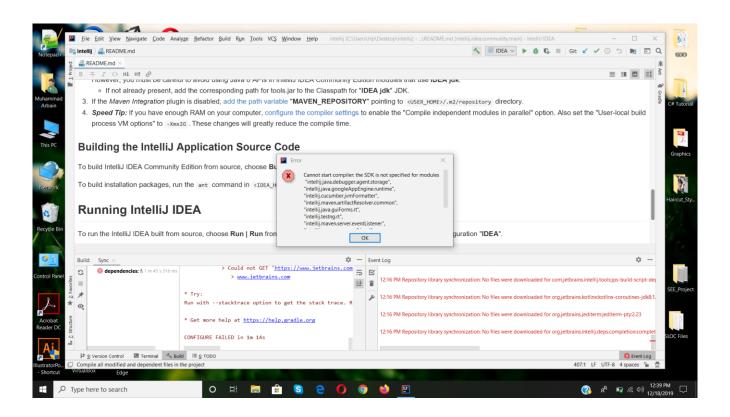
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1. Download and Resources

Resource name	Resource download link		
IntelliJ Idea community edition	https://www.jetbrains.com/idea/		
Source code for the IntelliJ Idea	https://github.com/JetBrains/intellij-community		
Code Line Counter	https://download.cnet.com/Code-Line-		
	Counter/3000-2352_4-10841474.html		
Count LOC	https://codetabs.com/count-loc/count-loc-		
	online.html		

2. Errors and Removal

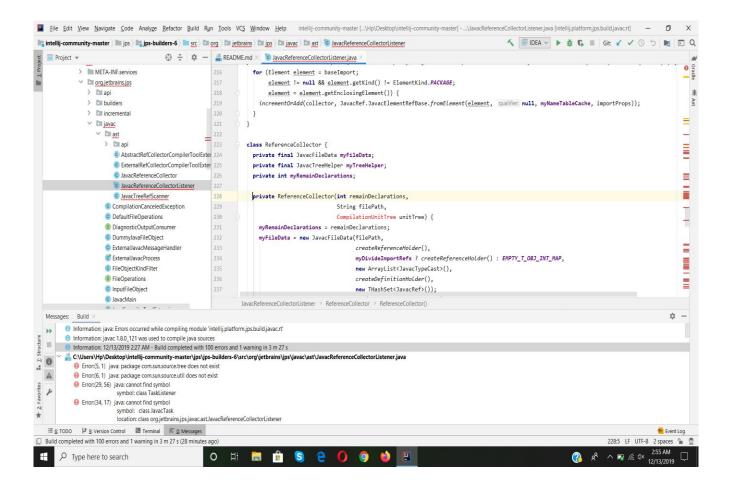
2.1 Java SDK Not Specify



Removal:

- After installation of IntelliJ Community Edition, Open source code in it
- When open then it gives following errors that show in above picture
- I solve it by specifying the java 1.8 sdk to all files of source code

2.2 Library Missing Error

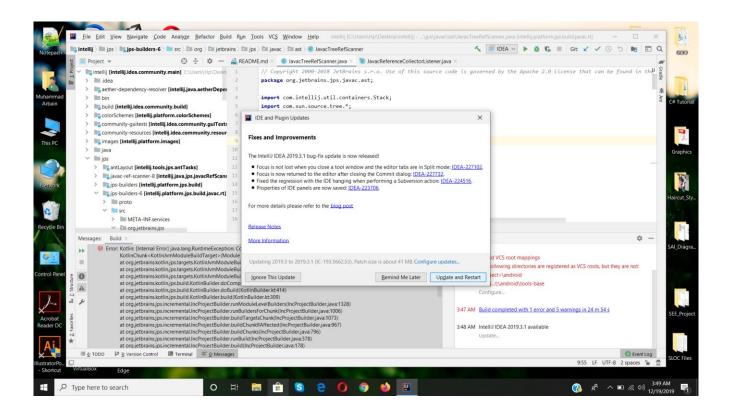


Removal:

- After solve sdk specifying errors, when I start build under IDEA then again errors are occur
- These errors due to missing <u>Tools.jar</u> library
- Then I add library in Sdk module from project structure under class path

2.3 Build Successfully

After solving all errors, I build new version 2019.3.1 and my previous version was 2019.2.4



3. Report of Effort & Schedule Calculation

3.1 SLOC

JAVA Files

Source: Code line Counter

7 loc

HTML Files

Source: https://codetabs.com/count-loc/count-loc-online.html

11778 loc

Json Files

Source: https://codetabs.com/count-loc/count-loc-online.html

128 loc

Template Files

Notepad++ (manual)

2576 loc

Text (API) Files

Source: https://codetabs.com/count-loc/count-loc-online.html

7934 loc

VM Files

Notepad++ (manual)

762 loc

XML Files

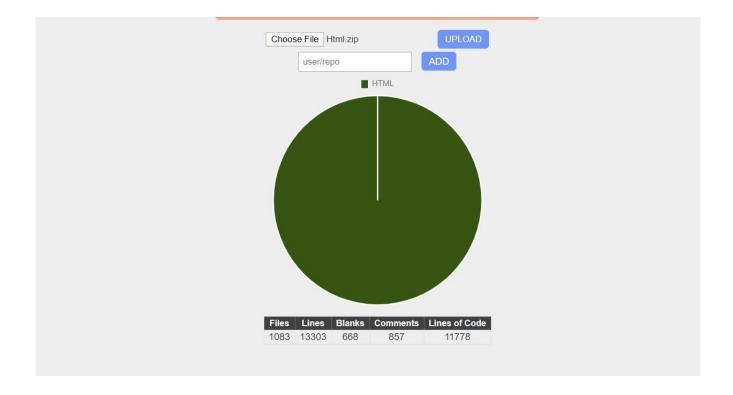
Source: https://codetabs.com/count-loc/count-loc-online.html

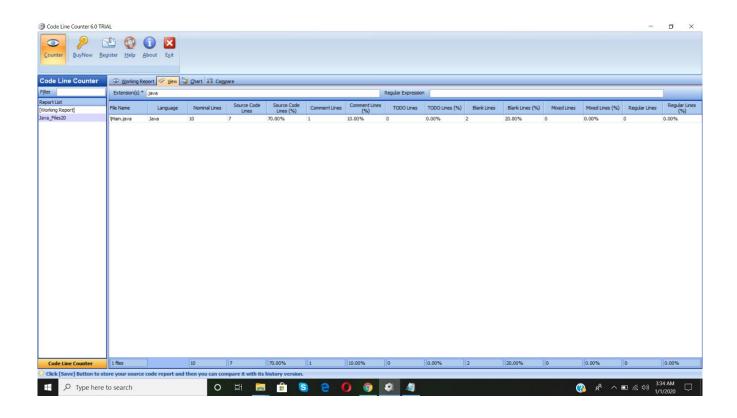
5044 loc

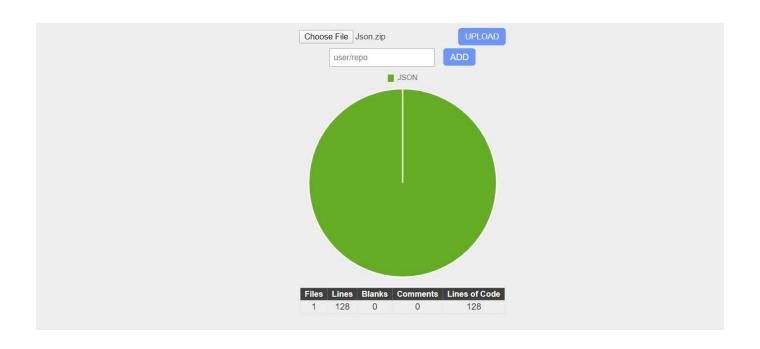
Total Loc

7+11778+128+2576+7934+762+5044= 28229 loc

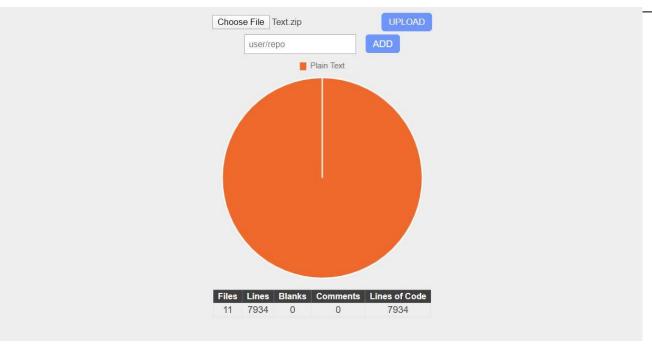
KLOC = 28.229 KLOC

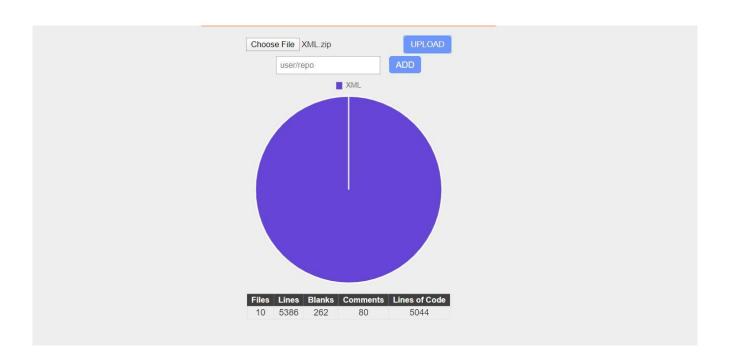




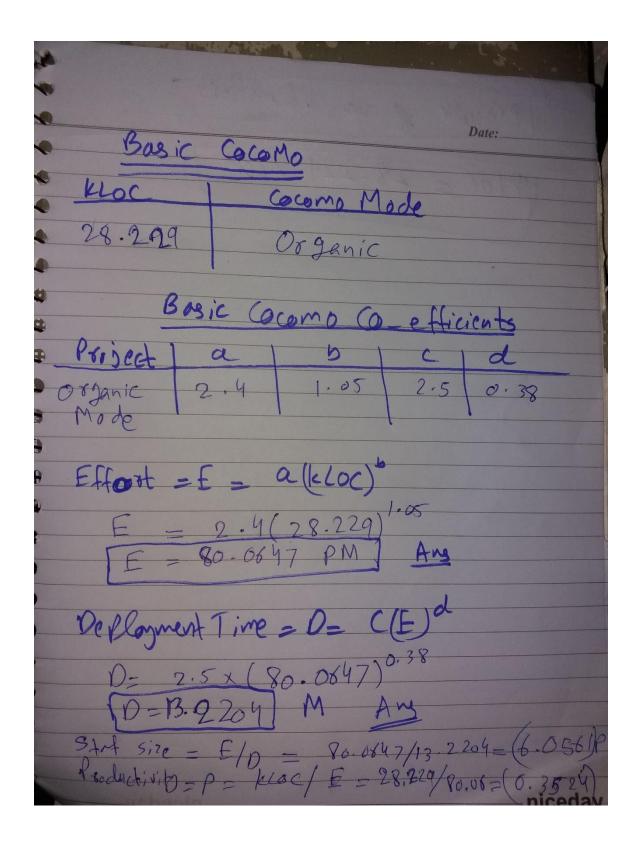


Project Report





3.2 Basic COCOMO



3.3 Intermediate COCOMO

Interphediate coco	Mo Date:	
Co-efficient		
Project a Objanic Made 3.2 1	5 (d
		5 0.38
2 x 7 v 9 x 1	DATA	2
FAt= 192	CPLX TIME	2
Effort - a(kloc) * FAF £ - 3.2(28.229) 1.05 x 192 £ = 20,496.5834 PM)	STOR	0
	PCAP	2
De Playment time = D= C(E)d D= 2.5 (20498.58)0.38 D= 108.73 M	PEXP	2
	PON SITE	0
Stat Size SS= £/0 SS = 20496.58/108-73=128	SE LEX	P 2
Productivity = P - KLOC/E	3 APEX	
P- 28.229/20496.58		
P=0.00137	ni	ceday