File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Quick Access

**Project Explorer**    JUnit

- cicd-pipeline [boot]
  - src/main/java
  - src/main/resources
  - src/test/java
    - org.devops.cicdpipeline
      - ApplicationTests.java
  - JRE System Library [JavaSE-1.8]
  - Maven Dependencies
  - src
  - target
  - HELP.md
  - pom.xml

**ApplicationTests.java**

```java
 1  package org.devops.cicdpipeline;
 2
 3  import static org.assertj.core.api.Assertions.assertThat;
13
14  @ExtendWith(SpringExtension.class)
15  @SpringBootTest
16  class ApplicationTests {
17
18      @Autowired
19      private CalculatorService calculatorService;
20
21      @BeforeAll
22      private static void init() {
23
24      }
25
26      @Test
27      void contextLoads() {
28          assertThat(calculatorService).isNotNull();
29      }
30
31      @Test
32      public void testAdd() {
33          assertEquals(60.0, calculatorService.add(20.0,40.0));
34      }
35
36      @Test
37      public void void testSub() {
```

Writable        Smart Insert       1:1:0

---

**ApplicationTests.java**

```java
35
36      @Test
37      public void testSub() {
38          assertEquals(10.0, calculatorService.sub(20.0, 10.0));
39      }
40
41      @Test
42      public void testMul() {
43          assertEquals(900.0, calculatorService.mul(10.0,90.0));
44      }
45
46      @Test
47      public void testDiv() {
48          assertEquals(30.0, calculatorService.div(300.0,10.0));
49      }
50
51      @Test
52      public void testPow() {
53          assertEquals(16.0, calculatorService.pow(2.0,4.0));
54      }
55
56      @Test
57      public void testLog() {
58          assertEquals(3.0, calculatorService.log(1000.0, 10.0));
59      }
60
61      @Test
62      public void testEquation1() {
        double add = calculatorService.add(10.0, 10.0);
```

Writable        Smart Insert       1:1:0

File  Edit  Source  Refactor  Navigate  Search  Project  Run  Window  Help

Quick Access

**Project Explorer**  JUnit

**ApplicationTests.java**

```java
60
61    @Test
62    public void testEquation1() {
63        double add = calculatorService.add(10.0, 10.0);
64        double mul = calculatorService.mul(add, 10.0);
65        double div = calculatorService.div(mul, 10.0);
66        assertEquals(20.0, div);
67    }
68
69    @Test
70    public void testEquation2() {
71        double a = 60;
72        double mul = calculatorService.mul(a, 10.0);
73        double div = calculatorService.div(mul, 10.0);
74        assertEquals(a, div);
75    }
76
77    @Test
78    public void testEquation3() {
79        double a = 10.0;
80        double b = 3.0;
81        double pow = calculatorService.pow(a, b);
82        double log = calculatorService.log(pow, a);
83        assertEquals(log, b);
84    }
85
86 }
87
```

Project Explorer tree:
- cicd-pipeline [boot]
  - src/main/java
  - src/main/resources
  - src/test/java
    - org.devops.cicdpipeline
      - ApplicationTests.java
  - JRE System Library [JavaSE-1.8]
  - Maven Dependencies
  - src
  - target
  - HELP.md
  - pom.xml

Writable        Smart Insert        1:1:0

---

```
09:02:28.895 [main] DEBUG org.springframework.test.context.support.TestPropertySourceUtils - Adding inlined properties to environment: {spring.jmx.ena
bled=false, org.springframework.boot.test.context.SpringBootTestContextBootstrapper=true}

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::        (v2.3.1.RELEASE)

2020-07-22 09:02:34.234  INFO 7780 --- [           main] o.devops.cicdpipeline.ApplicationTests   : Starting ApplicationTests on shah with PID 7780 (s
tarted by harsh in /home/harsh/dev-ops/cicd-pipeline)
2020-07-22 09:02:34.242  INFO 7780 --- [           main] o.devops.cicdpipeline.ApplicationTests   : No active profile set, falling back to default pro
files: default
2020-07-22 09:02:47.299  INFO 7780 --- [           main] o.s.s.concurrent.ThreadPoolTaskExecutor  : Initializing ExecutorService 'applicationTaskExecu
tor'
2020-07-22 09:02:47.917  INFO 7780 --- [           main] o.s.b.a.w.s.WelcomePageHandlerMapping    : Adding welcome page: class path resource [static/i
ndex.html]
2020-07-22 09:02:48.783  INFO 7780 --- [           main] o.devops.cicdpipeline.ApplicationTests   : Started ApplicationTests in 19.496 seconds (JVM ru
nning for 36.131)
[INFO] Tests run: 10, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 45.101 s - in org.devops.cicdpipeline.ApplicationTests
2020-07-22 09:03:00.324  INFO 7780 --- [extShutdownHook] o.s.s.concurrent.ThreadPoolTaskExecutor  : Shutting down ExecutorService 'applicationTaskExec
utor'
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 10, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] ------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------
[INFO] Total time:  03:45 min
[INFO] Finished at: 2020-07-22T09:03:00+05:30
[INFO] ------------------------------------------------------------------
harsh@shah:~/dev-ops/cicd-pipeline$ _
```