1. **Choosen operations (and according keyword in file):**

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| --- | --- | --- |
| **Operation** | **Keyword in file** | **Example** |
| add | add | 25 add 4 = 29 |
| subtract | subtract | 24 subtract 4 =20 |
| multiply | multiply | 2 multiply 5 = 10 |
| divide | divide | 6 divide 2 =3 |
| exponentiation (to any exponent) | pow | 3 pow 2 = 9 |
| modulo | mod | 25 mod 7 = 4 |
| apply | apply | apply 1 =1 |

1. **Assumptions:**
   1. Calculator works only with integer values (division result is also integer e.g. (29 divide 8 = 3).
   2. File contains only valid input (e.g. does not contain multipli keyword instead of multiply).
   3. Instructions and keyword and lines are separated by single space.
2. **Tested examples:**
3. add 2  
   multiply 3  
   apply 10
4. multiply 3  
   add 2  
   apply 10
5. apply 1
6. multiply 3

subtract 3

add 2

divide 8

pow 4

mod 4

apply 10

1. multiply 2

pow 2

subtract 6

apply 15

1. **Instructions how to build project:**

I build project using Maven in CMD. I opened CMD in a location of project (inside **calculator-app** directory) and type following command:

**mvn clean package**

1. **Instructions how to run the application from command line:**

Firstly, I modify **inputData.txt** file. Next, I opened CMD in a location of project (inside **calculator-app** directory) and type following command:

**java -cp target/calculator-app-1.0-SNAPSHOT.jar com.storware.app.App**

and got following output:

