**Tests**

**Task02.**

**Needed information**: *italic font* is to designate that certain data depends on date or to show empty line.

1. Create Hello class, that will greet any user after entering his surname

|  |  |  |
| --- | --- | --- |
| 1 | Alisa | Hello Alisa |
| 2 | Anastacia | Hello Anastacia |
| 3 | *Empty line* | Hello |

1. Create an application, that displays arguments of the main () method from command line in reverse order in the console window.

|  |  |  |
| --- | --- | --- |
| 1 | 1 2 3 4 5 | 5 4 3 2 1 |
| 2 | Sun Clouds Wind | Wind Clouds Sun |
| 3 | Sunny 22 years 2020 | 2020 years 22 Sunny |
| 4 | *Empty line* | *Empty line* |

1. Create an application, that displays a specified number of random numbers with and without transition to a new line.

|  |  |  |
| --- | --- | --- |
| 1 | 3  1 | 86  7  21 |
| 2 | 3  2 | 12 74 51 |
| 3 | 32767  1 | *Numbers []*  Process finished with exit code 0 |
| 4 | 32768  1 | Exception: Value out of range |
| 5 | 0  2 | *Empty line*  Process finished with exit code 0 |
| 6 | -32768  1 | *Empty line*  Process finished with exit code 0 |
| 7 | -32769  2 | Exception: Value out of range |

1. Create an application for entering a password from the command line and comparing it with the string sample

|  |  |  |
| --- | --- | --- |
| 1 | Password | Different passwords |
| 2 | password | Matches |
| 3 | pass123 | Different passwords |
| 3 | 123 | Different passwords |
| 4 | *Empty line* | The field is empty, enter your password |

1. Create a program for entering integers as command line arguments, calculating their sum and outputting the result to the console.

|  |  |  |
| --- | --- | --- |
| 1 | 1 2 3 | Sum: 6 |
| 2 | -1 0 1 | Sum: 0 |
| 3 | 32760 6 1 | Sum: 32767 |
| 4 | 32760 6 2 | Sum exceeds the norm |
| 5 | -32760 -6 -2 | Sum: -327768 |
| 6 | -32760 -6 -3 | Sum exceeds the norm |

1. Application that displays the name of the developer and how many days he needs to complete the task. It is necessary to calculate the date and time of the assignment. To get the date and time use the Calendar class from the java.util package

|  |  |  |
| --- | --- | --- |
| 1 | Dubrovskaya  3 | Dear Dubrovskaya  The current time is: *Sat Sep 26 16:17:39 MSK 2020*  Deadline: *Tue Sep 29 16:17:39 MSK 2020* |
| 2 | Dubrovskaya  32767 | Dear Dubrovskaya  The current time is: *Sat Sep 26 16:21:31 MSK 2020*  Deadline: *Sat Jun 14 16:21:31 MSK 2110* |
| 3 | Yunkevich  32768 | Exception: Value out of range |
| 4 | Yunkevich  -32768 | Dear Yunkevich  The current time is: Sat Sep 26 16:26:32 MSK 2020  Deadline: Fri Jan 09 16:26:32 MSK 1931 |
| 5 | Stankevich  -32769 | Exception: Value out of range |
| 6 | Stankevich  0 | Dear Stankevich  The current time is: *Sat Sep 26 16:27:57 MSK 2020*  Deadline: *Sat Sep 26 16:27:57 MSK 2020* |

1. Create an application that receives the date of birth (day, month and year) and determines what day of the week you were born, how old you are and congratulates you on your birthday if it is today (use the Calendar class from the java.util package)

|  |  |  |
| --- | --- | --- |
| 1 | 11-Jan-2000 | The day you were born: 3  Your age is: 20 |
| 2 | 11-Ja-2000 | ParseException: Unparseable date: "11-Ja-2000" |
| 3 | *26-Sep-2000* | The day you were born: 3  Your age is: 19  Happy birthday! |
| 4 | 28-Sep-2000 | The day you were born: 5  Your age is: 19 |

**\*Tests to the task01** are in the task01oop package