DAGs

| All 51 | Active 0 | Paused 51 | | Running 0 | Failed 0 | | Filter DAGs by tag | | Search DAGs | | ⬤ Auto-refresh ⟳ |

	DAG ↕	Owner ↕	Runs ⓘ	Schedule	Last Run ↕ ⓘ	Next Run ↕ ⓘ	Recent Tasks ⓘ	Actions	Links
⬤	**AGanshin001**	AGanshin	○○○○	0 6 * * * ⓘ		2024-06-01, 06:00:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯
⬤	**dataset_consumes_1** consumes dataset-scheduled	airflow	○○○○	Dataset ⓘ		On s3://dag1/output_1.txt	○○○○○○○○○○	▶ 🗑	⋯
⬤	**dataset_consumes_1_and_2** consumes dataset-scheduled	airflow	○○○○	Dataset ⓘ		0 of 2 datasets updated	○○○○○○○○○○	▶ 🗑	⋯
⬤	**dataset_consumes_1_never_scheduled** consumes dataset-scheduled	airflow	○○○○	Dataset ⓘ		0 of 2 datasets updated	○○○○○○○○○○	▶ 🗑	⋯
⬤	**dataset_consumes_unknown_never_scheduled** dataset-scheduled	airflow	○○○○	Dataset ⓘ		0 of 2 datasets updated	○○○○○○○○○○	▶ 🗑	⋯
⬤	**dataset_produces_1** dataset-scheduled produces	airflow	○○○○	@daily ⓘ		2024-06-01, 03:00:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯
⬤	**dataset_produces_2** dataset-scheduled produces	airflow	○○○○	None ⓘ			○○○○○○○○○○	▶ 🗑	⋯
⬤	**example_bash_operator** example example2	airflow	○○○○	0 0 * * * ⓘ		2024-06-01, 03:00:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯
⬤	**example_branch_datetime_operator** example	airflow	○○○○	@daily ⓘ		2024-06-01, 03:00:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯
⬤	**example_branch_datetime_operator_2** example	airflow	○○○○	@daily ⓘ		2024-06-01, 03:00:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯
⬤	**example_branch_datetime_operator_3** example	airflow	○○○○	@daily ⓘ		2024-06-01, 03:00:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯
⬤	**example_branch_dop_operator_v3** example	airflow	○○○○	*/1 * * * * ⓘ		2024-06-02, 13:33:00 ⓘ	○○○○○○○○○○	▶ 🗑	⋯

```
root@DESKTOP-TIN8UGG: /home                                          —    □    ×

root@DESKTOP-TIN8UGG:/home# ls
airflow  dom  spark
root@DESKTOP-TIN8UGG:/home# chmod -R 777 ./
root@DESKTOP-TIN8UGG:/home# spark-shell
/home/dom/airflow-venv/bin/spark-shell: line 60: /home/spark/bin/spark-submit: No such file or directory
root@DESKTOP-TIN8UGG:/home# chmod -R 777 ./
root@DESKTOP-TIN8UGG:/home# spark-shell
24/06/02 13:53:21 WARN Utils: Your hostname, DESKTOP-TIN8UGG resolves to a loopback address: 127.0.1.1; using 172.27.159
.28 instead (on interface eth0)
24/06/02 13:53:21 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
24/06/02 13:53:36 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Spark context Web UI available at http://172.27.159.28:4040
Spark context available as 'sc' (master = local[*], app id = local-1717325616906).
Spark session available as 'spark'.
Welcome to
      ____              __
     / __/__  ___ _____/ /__
    _\ \/ _ \/ _ `/ __/  '_/
   /___/ .__/\_,_/_/ /_/\_\   version 3.2.4
      /_/

Using Scala version 2.12.17 (OpenJDK 64-Bit Server VM, Java 1.8.0_402)
Type in expressions to have them evaluated.
Type :help for more information.

scala>
```

```
root@DESKTOP-TIN8UGG: /home                                                    —    □    ×

To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
24/06/02 14:03:20 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Spark context Web UI available at http://172.27.159.28:4040
Spark context available as 'sc' (master = local[*], app id = local-1717326200965).
Spark session available as 'spark'.
warning: one deprecation (since 2.0.0); for details, enable `:setting -deprecation' or `:replay -deprecation'
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleL
ogger to log to the console...
+------------+---------------------+--------+------------+-----------------+---------------+
|Код предмета|              Предмет|Учитель|Код студента|Фамилия студента|Имя студента|
+------------+---------------------+--------+------------+-----------------+---------------+
|         П01|Проектирование БД|Моисеев|         C01|            Рогов|        Василий|
|        null|                 null|   null|         C02|         Бахмутов|          Павел|
|        null|                 null|   null|         C03|         Васильев|            Лев|
|         П02|Машинное обучение|Щербань|         C02|         Бахмутов|          Павел|
|        null|                 null|   null|         C03|         Васильев|            Лев|
+------------+---------------------+--------+------------+-----------------+---------------+

24/06/02 14:03:27 WARN ExcelHeaderChecker: Number of column in Excel header is not equal to number of fields in the sche
ma:
 Header length: 6, schema size: 3
Excel file: file:///home/dom/Sem6.xlsx
24/06/02 14:03:27 WARN ExcelHeaderChecker: Number of column in Excel header is not equal to number of fields in the sche
ma:
 Header length: 6, schema size: 4
Excel file: file:///home/dom/Sem6.xlsx
task 1
00:00:05
root@DESKTOP-TIN8UGG:/home#
```

```scala
/*
export SPARK_HOME=/home/spark && export PATH=$PATH:$SPARK_HOME/bin:$SPARK_HOME/sbin &&  spark-shell -i /home/dom/d3.scala --conf "spark.driver.extraJavaOptions=-Df
*/
import org.apache.spark.internal.Logging
import org.apache.spark.sql.functions.{col, collect_list, concat_ws}
import org.apache.spark.sql.{DataFrame, SparkSession}
import org.apache.spark.sql.functions._
import org.apache.spark.sql.expressions.Window
import org.apache.spark.sql.functions.date_format

val t1 = System.currentTimeMillis()
if(1==1){
var df1 = spark.read.format("com.crealytics.spark.excel")
        .option("sheetName", "Sheet1")
        .option("useHeader", "false")
        .option("treatEmptyValuesAsNulls", "false")
        .option("inferSchema", "true").option("addColorColumns", "true")
        .option("usePlainNumberFormat","true")
        .option("startColumn", 0)
        .option("endColumn", 99)
        .option("timestampFormat", "MM-dd-yyyy HH:mm:ss")
        .option("maxRowsInMemory", 20)
        .option("excerptSize", 10)
        .option("header", "true")
        .format("excel")
        .load("/home/dom/d3.xlsx")
        df1.write.format("jdbc").option("url","jdbc:mysql://localhost:33061/spark?user=Airflow&password=1")
        .option("driver", "com.mysql.cj.jdbc.Driver").option("dbtable", "s3_1")
        .mode("overwrite").save()

        val q = """
        SELECT ID_Тикет,
        FROM_UNIXTIME(Status_Time) Status_Time,
        (LEAD(Status_Time) OVER(PARTITION BY ID_Тикет ORDER BY Status_Time)-Status_Time)/3600 Длительность,
        CASE WHEN Статус IS NULL THEN @PREV1 ELSE @PREV1:=Статус END Статус,
        CASE WHEN Группа IS NULL THEN @PREV2 ELSE @PREV2:=Группа END Группа,
        Назначение
        FROM (
            SELECT ID_Тикет, Status_Time, Статус, IF(ROW_NUMBER() OVER(PARTITION BY ID_Тикет ORDER BY Status_Time)=1 AND Назначение IS NULL,'',Группа) Группа, Наз
            FROM (
                SELECT DISTINCT a.objectid ID_Тикет, a.restime Status_Time, Статус, Группа, Назначение,(SELECT @PREV1:=''),(SELECT @PREV2:='')
                FROM (
                    SELECT DISTINCT objectid, restime
                    FROM spark.s3_1
                    WHERE fieldname IN ('gname2','status')
                ) a
                LEFT JOIN (
                    SELECT DISTINCT objectid, restime, fieldvalue Статус
                    FROM spark.s3_1
                    WHERE fieldname IN ('status')
```

Результаты поиска - (совпадений: 1)

Поиск "xlsx" (найдено 1 совпадений в 1 файлах из 1)
  \\wsl.localhost\Ubuntu\home\dom\d3.scala (совпадений: 1)
    Строка 26:   .load("/home/dom/d3.xlsx")

Normal text file   length : 5 387   lines : 105   Ln : 27   Col : 44   Pos : 1 194   Windows (CR LF)   UTF-8   INS

```
root@DESKTOP-TIN8UGG:/home# export SPARK_HOME=/home/spark && export PATH=$PATH:$SPARK_HOME/bin:$SPARK_HOME/sbin && spark
-shell -i /home/dom/d3.scala --conf "spark.driver.extraJavaOptions=-Dfile.encoding=utf-8"
24/06/02 14:36:08 WARN Utils: Your hostname, DESKTOP-TIN8UGG resolves to a loopback address: 127.0.1.1; using 172.27.159
.28 instead (on interface eth0)
24/06/02 14:36:08 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
24/06/02 14:36:22 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Spark context Web UI available at http://172.27.159.28:4040
Spark context available as 'sc' (master = local[*], app id = local-1717328183198).
Spark session available as 'spark'.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleL
ogger to log to the console...
00:00:04
root@DESKTOP-TIN8UGG:/home#
```
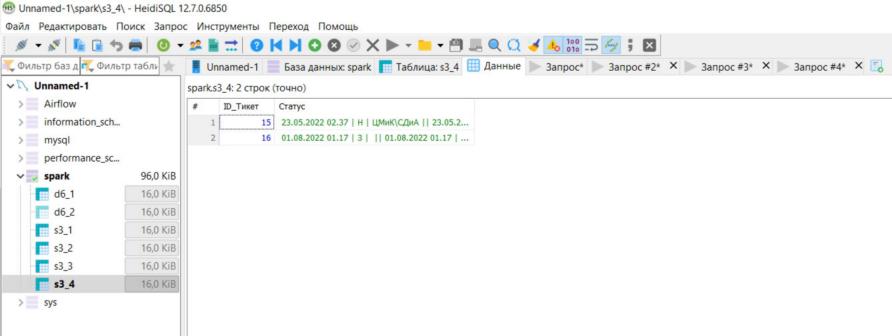
Файл   Редактировать   Поиск   Запрос   Инструменты   Переход   Помощь

Фильтр баз д   Фильтр табли

Unnamed-1   База данных: spark   Таблица: s3_4   Данные   Запрос*   Запрос #2*   Запрос #3*   Запрос #4*

Unnamed-1	
Airflow	
information_sch...	
mysql	
performance_sc...	
spark	96,0 KiB
d6_1	16,0 KiB
d6_2	16,0 KiB
s3_1	16,0 KiB
s3_2	16,0 KiB
s3_3	16,0 KiB
s3_4	16,0 KiB
sys	

spark.s3_4: 2 строк (точно)

#	ID_Тикет	Статус
1	15	23.05.2022 02.37 | Н | ЦМиК\СДиА || 23.05.2...
2	16	01.08.2022 01.17 | 3 | || 01.08.2022 01.17 | ...

```
root@DESKTOP-TIN8UGG: /home/dom                                        □    ×

root@DESKTOP-TIN8UGG:/home/dom# python3 d4.py
24/06/02 14:49:31 WARN Utils: Your hostname, DESKTOP-TIN8UGG resolves to a loopback address: 127.0.1.1; using 172.27.159.28
instead (on interface eth0)
24/06/02 14:49:31 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
24/06/02 14:49:41 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classe
s where applicable
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogge
r to log to the console...
finished 00:00:19
root@DESKTOP-TIN8UGG:/home/dom#
```

Файл Редактировать Поиск Запрос Инструменты Переход Помощь

Фильтр баз д... Фильтр табли...

| | Unnamed-1 | База данных: spark | Таблица: d4_3 | Данные | Запрос* | Запрос #2* | Запрос #3* | Запрос #4* |

- Unnamed-1
  - Airflow
  - information_sch...
  - mysql
  - performance_sc...
  - **spark** — 144,0 KiB
    - d4_1 — 16,0 KiB
    - d4_2 — 16,0 KiB
    - **d4_3** — 16,0 KiB
    - d6_1 — 16,0 KiB
    - d6_2 — 16,0 KiB
    - s3_1 — 16,0 KiB
    - s3_2 — 16,0 KiB
    - s3_3 — 16,0 KiB
    - s3_4 — 16,0 KiB
  - sys

spark.d4_3: 92 строк (точно)

#	№	Месяц	Сумма платежа	Платеж по основному долгу	Платеж по процентам	Остаток долга	проценты	долг
1	1	2024-06-25	150 000	65 605,5	84 394,5	9 397 710	84 394,5	65 605,5
2	2	2024-07-25	150 000	68 897,9	81 102,1	9 328 810	165 497	134 503
3	3	2024-08-25	150 000	66 813	83 187	9 262 000	248 684	201 316
4	4	2024-09-25	150 000	67 412,9	82 587,1	9 194 580	331 271	268 729
5	5	2024-10-25	150 000	70 662,7	79 337,3	9 123 920	410 608	339 392
6	6	2024-11-25	150 000	68 652,6	81 347,4	9 055 270	491 955	408 045
7	7	2024-12-25	150 000	71 873,2	78 126,8	8 983 390	570 082	479 918
8	8	2025-01-25	150 000	69 737,3	80 262,7	8 913 660	650 345	549 655
9	9	2025-02-25	150 000	70 322,6	79 677,4	8 843 330	730 022	619 978
10	10	2025-03-25	150 000	78 605,2	71 394,8	8 764 730	801 417	698 583
11	11	2025-04-25	150 000	71 663,4	78 336,6	8 693 060	879 754	770 246
12	12	2025-05-25	150 000	74 814,8	75 185,2	8 618 250	954 939	845 061
13	13	2025-06-25	150 000	72 982,1	77 017,9	8 545 270	1 031 960	918 043
14	14	2025-07-25	150 000	76 102,4	73 897,6	8 469 160	1 105 850	994 146
15	15	2025-08-25	150 000	74 324,3	75 675,7	8 394 840	1 181 530	1 068 470
16	16	2025-09-25	150 000	74 993,4	75 006,6	8 319 850	1 256 540	1 143 460
17	17	2025-10-25	150 000	78 066,3	71 933,7	8 241 780	1 328 470	1 221 530
18	18	2025-11-25	150 000	76 371,4	73 628,6	8 165 410	1 402 100	1 297 900
19	19	2025-12-25	150 000	79 411,9	70 588,1	8 086 000	1 472 690	1 377 310
20	20	2026-01-25	150 000	77 773,8	72 226,2	8 008 220	1 544 910	1 455 090
21	21	2026-02-25	150 000	78 474	71 526	7 929 750	1 616 440	1 533 560
22	22	2026-03-25	150 000	86 034	63 966	7 843 720	1 680 410	1 619 590
23	23	2026-04-25	150 000	79 955	70 045	7 763 760	1 750 450	1 699 550
24	24	2026-05-25	150 000	82 911,1	67 088,9	7 680 850	1 817 540	1 782 460
25	25	2026-06-25	150 000	81 421,3	68 578,7	7 599 430	1 886 120	1 863 880
26	26	2026-07-25	150 000	84 342,9	65 657,1	7 515 090	1 951 780	1 948 220
27	27	2026-08-25	150 000	82 913,6	67 086,4	7 432 170	2 018 860	2 031 140
28	28	2026-09-25	150 000	83 660,1	66 339,9	7 348 510	2 085 200	2 114 800
29	29	2026-10-25	150 000	86 528,9	63 471,1	7 261 980	2 148 670	2 201 330
30	30	2026-11-25	150 000	85 192,2	64 807,8	7 176 790	2 213 480	2 286 520
31	31	2026-12-25	150 000	88 025	61 975	7 088 770	2 275 460	2 374 540
32	32	2027-01-25	150 000	86 751,7	63 248,3	7 002 010	2 338 700	2 461 300
33	33	2027-02-25	150 000	87 532,7	62 467,3	6 914 480	2 401 170	2 548 830
34	34	2027-03-25	150 000	94 289,7	55 710,3	6 820 190	2 456 880	2 643 120
35	35	2027-04-25	150 000	89 169,6	60 830,4	6 731 020	2 517 710	2 732 290
36	36	2027-05-25	150 000	91 908,7	58 091,3	6 639 110	2 575 800	2 824 200
37	37	2027-06-25	150 000	90 799,8	59 200,2	6 548 310	2 635 000	2 915 000
38	38	2027-07-25	150 000	93 500,5	56 499,5	6 454 810	2 691 500	3 008 500
39	39	2027-08-25	150 000	92 459	57 541	6 362 350	2 749 040	3 100 960
40	40	2027-09-25	150 000	93 291,4	56 708,6	6 269 060	2 805 750	3 194 250
41	41	2027-10-25	150 000	95 933,5	54 066,6	6 173 130	2 859 820	3 290 180
42	42	2027-11-25	150 000	94 994,9	55 005,1	6 078 140	2 914 820	3 385 180
43	43	2027-12-25	150 000	97 596,9	52 403,1	5 980 540	2 967 230	3 482 770
44	44	2028-01-25	150 000	96 846,1	53 153,9	5 883 690	3 020 380	3 579 620
45	45	2028-02-25	150 000	97 743,8	52 256,2	5 785 950	3 072 640	3 677 360
46	46	2028-03-25	150 000	101 936	48 063,9	5 684 010	3 120 700	3 779 300
47	47	2028-04-25	150 000	99 536,9	50 463,1	5 584 480	3 171 160	3 879 840

× Фильтр Регулярное выражение

```
196  SELECT tc.CONSTRAINT_NAME, cc.CHECK_CLAUSE FROM `information_schema`.`CHECK_CONSTRAINTS` AS cc, `information_schema`.`TABLE_CONSTRAINTS` AS tc WHERE tc.CONSTR
197  SELECT * FROM `spark`.`d4_1` LIMIT 1000;
198  SHOW CREATE TABLE `spark`.`d4_3`;
199  SELECT * FROM `spark`.`d4_3` LIMIT 1000;
```