

COURSE CODE : INT324

CA2

Time Allowed: 01:00 hr

Max. Marks: 30
Reg_no: _____

INSTRUCTIONS TO CANDIDATES

- Upload one pdf for the complete solution on the UMS.
- Paste 5 different screenshot for all parts of Q1.
- 5 marks are for correct output file on the server.

Q1 Create a mapping “mp_ca2” by applying following transformations:

- Apply a transformation to merge rows from Data_1 and Data_2. (5 marks)
- Apply a transformation to sort the rows on basis of registration number (ascending order). (5 marks)
- Assign a roll number to students using appropriate transformation. (5 marks)
- Find the value for marks using Data_marks.txt lookup file. (5 marks)
- Apply appropriate transformation to create separate output files based on marks:
Marks less than 70, Marks between 70-80, Marks more than 80
(5 marks)

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File Edit Mapping Team Layout Navigate Search Run Window Help

Object Explorer

- Mohan_18
- Mohi_34
- Murali_50
- Nikhil_11
- Nitesh_16
- OM_3
- Prathu_62
- Prasad_53
- Prince_10
- Raghu_05
- CA
- CA2
- Physical Data Objects
 - Data_1
 - Data_2
- Mappings
 - mpca2
- Physical Data Objects
 - Scorecards
- Profiles
- Scorecards
- Ram_20
- Ravi_08
- Rishab_24
- Rishika_13
- Sai_54
- Sakul_47
- Samiksha_41
- Satyam_12
- Saurabh_28
- Saurabh_61
- Saurabh_81

mpca2

Data_1

Data_2

Read_Data_1

Read_Data_2

Union

Sorter

Output

Name: Sorter

Reg_no	Name	Section	School
1.11	Sohal	K2101	SCSE
2.12	Priyam	K2102	SCSE
3.13	Karan	K2103	SCSE
4.14	Harsh	K2101	SCSE
5.15	Harmeet	K2102	SCSE
6.16	Tamir	K2103	SCSE
7.17	Nikhil	K2101	SCSE

Row 1 to 20

36°C Mostly sunny

Search

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Object Explorer

- Mohan_18
- Mohi_34
- Murali_50
- Nikhil_11
- Nitesh_16
- OM_3
- Prathu_62
- Prasad_53
- Prince_10
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- Ram_20
- Ravi_08
- Rishab_24
- Rishika_13
- Sai_54
- Sakul_47
- Samiksha_41
- Satyam_12
- Saurabh_28
- Saurabh_61
- Saurabh_81
- Shibansu_19
- Shivam_48

mpca2

Data_1

Data_2

Read_Data_1

Read_Data_2

Union

Sorter

Sequence_Generator

Output

Name: Sequence_Generator

NEXTVAL	Reg_no	Name	Section	School
1.1	11	Sohal	K2101	SCSE
2.2	12	Priyam	K2102	SCSE
3.3	13	Karan	K2103	SCSE
4.4	14	Harsh	K2101	SCSE
5.5	15	Harmeet	K2102	SCSE

Row 1 to 20

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Object Explorer

- Physical Data Objects
 - Data_1
 - Data_2
 - Data_marks
 - op01
 - op2
 - op3

Mapping: Data_1

Read_Data_1

Read_Data_2

Union

Sorter

Sequence Generator

Lookup_Data_marks

Router

Write_op01

Write_op2

Write_op3

Validation Log

Validation Environments:

Name	Value
Native	<input checked="" type="checkbox"/>
Hadoop	<input type="checkbox"/>
Hive	<input type="checkbox"/>
Hive version	
Blaze	<input type="checkbox"/>
Spark	<input type="checkbox"/>

Execution Environment: Native

Name	Value
Native	
Maximum Parallelism	Auto
Commit Interval	Auto
Stop on Errors	<input type="checkbox"/>

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Search

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Object Explorer

- Physical Data Objects
 - Data_1
 - Data_2
 - Data_marks
 - op01
 - op2
 - op3

Mapping: Data_1

Read_Data_1

Read_Data_2

Union

Sorter

Sequence Generator

Lookup_Data_marks

Router

Write_op01

Write_op2

Write_op3

Validation Log

Validation Environments:

Name	Value
Native	<input checked="" type="checkbox"/>
Hadoop	<input type="checkbox"/>
Hive	<input type="checkbox"/>
Hive version	
Blaze	<input type="checkbox"/>
Spark	<input type="checkbox"/>

Execution Environment: Native

Name	Value
Native	
Maximum Parallelism	Auto
Commit Interval	Auto
Stop on Errors	<input type="checkbox"/>

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Search

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