

MYSQL ASSESSMENT

(Raghul Ramesh)

1. Query the Name of any student in STUDENTS who scored higher than Marks. Order your output by the last three characters of each name. If two or more students both have names ending in the same last three characters (i.e.: Bobby, Robby, etc.), secondary sort them by ascending ID.

Input Format

The **STUDENTS** table is described as follows

<i>Column</i>	<i>Type</i>
<i>ID</i>	<i>Integer</i>
<i>Name</i>	<i>String</i>
<i>Marks</i>	<i>Integer</i>

:

The *Name* column only contains uppercase (A-Z) and lowercase (a-z) letters.

Sample Input

<i>ID</i>	<i>Name</i>	<i>Marks</i>
<i>1</i>	<i>Ashley</i>	<i>81</i>
<i>2</i>	<i>Samantha</i>	<i>75</i>
<i>4</i>	<i>Julia</i>	<i>76</i>
<i>3</i>	<i>Belvet</i>	<i>84</i>

Sample Output

Ashley
Julia
Belvet

/*

Enter your query here and follow these instructions:

1. Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.

2. The AS keyword causes errors, so follow this convention: "Select t.Field From table1 t" instead of "select t.Field From table1 AS t"

3. Type your code immediately after comment. Don't leave any blank line.

*/

2. Given the CITY and COUNTRY tables, query the names of all the continents (COUNTRY.Continent) and their respective average city populations (CITY.Population) rounded down to the nearest integer.

Note: CITY.CountryCode and COUNTRY.Code are matching key columns.

Input Format

The CITY and COUNTRY tables are described as follows:

CITY

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

COUNTRY

Field	Type
CODE	VARCHAR2 (3)
NAME	VARCHAR2 (44)
CONTINENT	VARCHAR2 (13)
REGION	VARCHAR2 (25)
SURFACEAREA	NUMBER
INDEPYEAR	VARCHAR2 (5)
POPULATION	NUMBER
LIFEEXPECTANCY	VARCHAR2 (4)
GNP	NUMBER
GNPOLD	VARCHAR2 (9)
LOCALNAME	VARCHAR2 (44)
GOVERNMENTFORM	VARCHAR2 (44)
HEADOFSTATE	VARCHAR2 (32)
CAPITAL	VARCHAR2 (4)
CODE2	VARCHAR2 (2)

3. Given the CITY and COUNTRY tables, query the names of all the continents (COUNTRY.Continent) and their respective average city populations (CITY.Population) rounded down to the nearest integer.

Note: CITY.CountryCode and COUNTRY.Code are matching key columns.

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The CITY and COUNTRY tables are described as follows:

CITY

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NAME	VARCHAR2(17)
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COUNTRY

Field	Type
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