7003ICT - Database Management

Trimester 1, 2020

Designing a Database for Commonwealth Transport Services

Presentation	Full marks	Your marks
Inclusion of a title page with acknowledgement	1	
Inclusion of 'table of contents' and automatically generated page numbers	1	
Inclusion of bibliography or justification for not having one	1	
Overall organization and clarity of presentation	2	
Subtotal	5	

Task 1: Create Tables	Full marks	Your marks
0.5 marks for correctly creating the following FOUR tables LANGUAGE COUNTRY LOCATION_TYPE OFFICIAL_ROLE	2	
1 mark for correctly creating the following TWO tables: VEHICLE DRIVER	2	
2 marks for correctly creating the following table. If a foreign key is not referenced deduct 1 mark. MAINTANANCE_REPAIR	2	
2.5 marks for correctly creating the following FOUR tables. If a foreign key is not referenced deduct 1 mark. OFFICIAL LOCATION COUNTRY_LANGUAGE DRIVER_LANGUAGE	10	
4 marks for correctly creating the following table. If a foreign key is not referenced deduct 0.5 mark. TRIP	4	
Subtotal	20	

Task 2: Insertion	Full marks	Your marks
1.5 marks for correctly inserting minimum 5 sample data in the	6	
following FOUR tables		
LANGUAGE		
COUNTRY		
LOCATION_TYPE		
OFFICIAL_ROLE		
2 marks for correctly inserting minimum 5 sample data in the	4	
following TWO tables. If the foreign key constraint is not satisfied		
deduct 1 mark.		
VEHICLE		
DRIVER		
3 marks for correctly inserting minimum 5 sample data in the	3	
following table. If a foreign key constraint is not satisfied deduct		
0.5 mark.		
MAINTANANCE_REPAIR		
3 marks for correctly inserting 5 sample data in the following	12	
FOUR tables: If a foreign key constraint is not satisfied deduct 1	12	
mark.		
OFFICIAL		
LOCATION		
COUNTRY_LANGUAGE		
DRIVER_LANGUAGE		
	5	
5 marks for correctly inserting minimum 5 sample data in the		
following table. If a foreign key constraint is not satisfied deduct 1		
mark.		
TRIP Subtotal	30	
Subtotal	30	

Task 3: Query		Full marks	Your marks
3.5 marks for	each of the TEN queries.	35	
•	Award 3.5 marks if the query is correct and the output produces at least one record Award 2.5 marks if the query is correct but does not		
	produce at least one output record		
Q1			
Q2			
Q3			
Q4			
Q5			

Q6		
Q7		
Q8		
Q9		
Q10		
	Subtotal	

Task 4: Transaction	Full marks	Your marks
0.5 marks for correct insertion of data into the following tables. It is	4	
okay if they insert correct data in Task 2.		
LANGUAGE		
COUNTRY COUNTRY LANGUAGE		
OFFICIAL_ROLE		
OFFICIAL		
LOCATION		
DRIVER DRIVER_LANGUAGE		
DRIVER_LANGUAGE		
2 marks for correct insertion of data into the following tables. It is	2	
okay if they insert correct data in Task 2.		
TRIP		
4 marks for correctly UPDATING the table		
TRIP	4	
Subtotal	10	
Grand Total		
Grand Total		
	Out of 15%	