**Παραδείγματα Παραβίασης Περιορισμών.**

Στο έγγραφο αυτό εμπεριέχεται μία λίστα με παραδείγματα αιτημάτων εισαγωγής για κάθε πίνακα της βάσης. Τα ερωτήματα αυτά είναι τέτοια ώστε να παραβιάζουν κάθε έναν από τους περιορισμούς των πινάκων αυτών.

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| Πίνακας | 1.Store |
| Περιορισμός | * PRIMARY-KEY * Phone>1000000000 * Number >0 |
| Query | **INSERTINTO**`store`(`store\_name`,`phone`,`street`,`number`)  **VALUES** ('Null','2310999000','Karadjordjeva','10');  **INSERTINTO**`store`(`store\_name`,`phone`,`street`,`number`)  **VALUES** ('CD day','999000','Karadjordjeva','10');  **INSERTINTO**`store`(`store\_name`,`phone`,`street`,`number`)  **VALUES** ('CD day','2310999000','Karadjordjeva','-10'); |

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| Πίνακας | 2.Is\_Available |
| Περιορισμός | * Not null (store\_name) * FOREIGN-KEY (store\_name) * Not null (street) * FOREIGN-KEY(street) * Not null (number) * FOREIGN-KEY(number) * Not null (album\_title) * FOREIGN-KEY(album\_title) * Not null (publisher) * FOREIGN-KEY (publisher) * Not null (quantity) * quantity ≥0 * Not null (price) * price≥0 |
| Query | **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**(**null**,**null**,**null**,**null**,**null**,**null**,**null**);  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('CD day','5','13241','Sheer Heart Attack','Sarm','Skra','4');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**(**null**,**null**,**null**,**null**,**null**,**null**,**null**);  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','5','13241','Sheer Heart Attack','Sarm','Karadjordjeva','4');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**(**null**,**null**,**null**,**null**,**null**,**null**,**null**);  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','5','13241','Sheer Heart Attack','Sarm','Skra','999');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**(**null**,**null**,**null**,**null**,**null**,**null**,**null**);  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','5','13241','boom','Sarm','Skra','4');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**(**null**,**null**,**null**,**null**,**null**,**null**,**null**);  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','5','13241','Sheer Heart Attack','CD Today','Skra','4');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**(**null**,**null**,**null**,**null**,**null**,**null**,**null**);  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','5','13241','Sheer Heart Attack','Sarm','Skra','4');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','-5','13241','Sheer Heart Attack','Sarm','Skra','4');  **INSERTINTO**`is\_available`(`store\_name`,`quantity`,`price`,`album\_title`,`publisher`,`street`,`number`)  **VALUES**('Stereo disc','5','13241','Sheer Heart Attack','Sarm','Skra','-4'); |

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| Πίνακας | 3. Album |
| Περιορισμός | * Primary Key – Not Null(album\_title) |
| Query | **INSERT INTO** `album`(`album\_title`) **VALUES**(**NULL**);  **INSERT INTO** `album`(`publisher`) **VALUES**(**NULL**); |

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| Πίνακας | 4. Included\_in |
| Περιορισμός | * Song\_order 1 * FOREIGN KEY (album\_title) * FOREIGN KEY (publisher) * FOREIGN KEY (song\_title) * Not NULL (song\_title) |
| Query | **INSERT** **INTO** `included\_in` (`song\_title`, `duration`) **VALUES** ('Bohemian Rhapsody', '-10');  **INSERT** **INTO** `included\_in` (`song\_title`, `duration`) **VALUES** (**NULL**, '15'); |

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| Πίνακας | 5. Song |
| Περιορισμός | * Duration 0 * Primary Key – Not Null (song\_title) |
| Query | **INSERT** **INTO** `song` (`song\_title`, `duration`) **VALUES** ('unregistered song name', '-10');  **INSERT** **INTO** `song` (`song\_title`, `duration`) **VALUES** (**NULL**, '+10'); |

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| Πίνακας | 6. Has\_Created |
| Περιορισμός | * FOREIGN KEY (artist\_name) * Not NULL (artist\_name) * FOREIGN KEY (song\_title) * Not NULL (song\_title) |
| Query | **INSERT** **INTO** `has\_created` (`artist\_name`, `song\_title`) **VALUES**( 'artist name that is not in the db', 'Bohemian Rhapsody');  **INSERT** **INTO** `has\_created` (`artist\_name`, `song\_title`) **VALUES**( **NULL**, 'Bohemian Rhapsody');  **INSERT** **INTO** `has\_created` (`artist\_name`, `song\_title`) **VALUES**( 'Queen', 'song that is not in the ');  **INSERT** **INTO** `has\_created` (`artist\_name`, `song\_title`) **VALUES**( 'Queen', **NULL**); |

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| Πίνακας | 7. Artist |
| Περιορισμός | * Primary Key – Not Null (artist\_name) |
| Query | **INSERT** **INTO** `artist` (`artist\_name`) **VALUES** (**NULL**); |

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| Πίνακας | 8. Musician |
| Περιορισμός | * FOREIGN KEY (artist\_name) * Not Null (artist\_name) |
| Query | **INSERT** **INTO** `musician` (`artist\_name`) **VALUES**( 'artist name that is not in the db');  **INSERT** **INTO** `musician` (`artist\_name`) **VALUES**( **NULL**); |
| Πίνακας | 9. Band |
| Περιορισμός | * FOREIGN-KEY (artist\_name) |
| Query | **INSERT INTO** `band`(`artist\_name`)**VALUES** ('John Konidas');  **INSERT INTO** `band`(`artist\_name`)**VALUES**(**NULL**); |

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| Πίνακας | 10. Takes\_part\_in |
| Περιορισμός | * FOREIGN-KEY (band\_name) * FOREIGN-KEY (musician\_name) |
| Query | **INSERT INTO** `takes\_part\_in`(`band\_name`) **VALUES** ('savvassampaziotis');  **INSERT INTO** `takes\_part\_in`(`musician\_name`) **VALUES**('kostasgeorgopoulos');  **INSERT INTO** `takes\_part\_in`(`band\_name`) **VALUES**(**NULL**);  **INSERT INTO** `takes\_part\_in`(`musician\_name`) **VALUES**(**NULL**); |

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| Πίνακας | 11. Genre |
| Περιορισμός | * FOREIGN-KEY (artist\_name) |
| Query | **INSERT INTO** `genre`(`artist\_name`)**VALUES**('Kostas konidas');  **INSERT INTO** `genre`(`artist\_name`)**VALUES**(**NULL**);  **INSERT INTO** `genre`(`genre`)**VALUES**(**NULL**); |

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| Πίνακας | 12. Roles |
| Περιορισμός | * Not Null (role) * Not Null (musician\_name) * Not Null (band\_name) * FOREIGN KEY (musician\_name) * FOREIGN KEY (band\_name) |
| Query | **INSERT** **INTO** `role` (`musician\_name`, `band\_name`, `role`) **VALUES**  ('Freddie Mercury', 'Queen', **NULL**);  **INSERT** **INTO** `role` (`musician\_name`, `band\_name`, `role`) **VALUES**  (**NULL**, 'Queen', 'drummer');  **INSERT** **INTO** `role` (`musician\_name`, `band\_name`, `role`) **VALUES**  ('Freddie Mercury', **NULL**, 'drummer');  **INSERT** **INTO** `role` (`musician\_name`, `band\_name`, `role`) **VALUES**  ('Savvas Sampaziotis', 'Queen', 'drummer');  **INSERT** **INTO** `role` (`musician\_name`, `band\_name`, `role`) **VALUES**  ('Freddie Mercury', 'The Rock Cocks', 'drummer'); |