

New Table after normalization

adverts

| | | | | |
|-----------|-----------|----------|---------------|-------|
| <u>id</u> | init_date | owner_id | year_purchase | price |
|-----------|-----------|----------|---------------|-------|

authors

| | | |
|-----------|---------|------|
| <u>id</u> | book_id | name |
|-----------|---------|------|

messages

| | | | | |
|-----------|-----------|-------------|---------|------|
| <u>id</u> | sender_id | receiver_id | message | time |
|-----------|-----------|-------------|---------|------|

books

| | | | |
|-----------|------|------|-----------|
| <u>id</u> | name | cond | advert_id |
|-----------|------|------|-----------|

laptops

| | | | | |
|-----------|--------------|-------|-----------|----------------|
| <u>id</u> | manufacturer | model | advert_id | battery_status |
|-----------|--------------|-------|-----------|----------------|

mobiles

| | | | |
|-----------|--------------|-------|-----------|
| <u>id</u> | manufacturer | model | advert_id |
|-----------|--------------|-------|-----------|

users

| | | | | | |
|-----------|-------|----------|-------|-------|--------|
| <u>id</u> | email | password | fname | lname | mobile |
|-----------|-------|----------|-------|-------|--------|

Old Tables - Before normalization

users

| | | | | | |
|-----------|-------|----------|-------|-------|--------|
| <u>id</u> | email | password | fname | lname | mobile |
|-----------|-------|----------|-------|-------|--------|

messages

| | | | | |
|-----------|-----------|-------------|---------|------|
| <u>id</u> | sender_id | receiver_id | message | time |
|-----------|-----------|-------------|---------|------|

products

| | | | | | |
|-----------|-----------|-----------|--------------|-------|----------------|
| <u>id</u> | book_name | book_cond | manufacturer | model | battery_status |
|-----------|-----------|-----------|--------------|-------|----------------|

| |
|------|
| type |
|------|

| |
|------|
| type |
|------|

| | | | | |
|------|----------|---------------|-------|---------|
| date | owner_id | year_purchase | price | authors |
|------|----------|---------------|-------|---------|