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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **User** | | | | | | | | |
| Sr.  No. | Field  Name | Data  Type | Width | Required | Unique | PK/FK | Referenced  Table | Description |
| 1 | Id | String | 100 | Yes | Yes | PK |  |  |
| 2 | Email | Email | 30 | Yes | Yes |  |  |  |
| 3 | Password | Password | 12 | Yes | No |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Profile** | | | | | | | | |
| Sr.  No. | Field  Name | Data  Type | Width | Required | Unique | PK/FK | Referenced  Table | Description |
| 1 | Id | String | 100 | Yes | Yes | PK |  |  |
| 2 | UserId | String | 100 | Yes | Yes | FK | User |  |
| 3 | First Name | String | 30 | Yes | No |  |  |  |
| 4 | Last Name | String | 30 | No | No |  |  |  |
| 5 | College Name | String | 100 | No | No |  |  |  |
| 6 | Date of Birth | Date | 30 | No | No |  |  |  |
| 7 | Image URL | String | 500 | No | No |  |  |  |
| 8 | gender | String | 10 | No | No |  |  |  |
| 9 | String | Address | 1000 | No | No |  |  |  |

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| **Question** | | | | | | | | |
| Sr.  No. | Field  Name | Data  Type | Width | Required | Unique | PK/FK | Referenced  Table | Description |
| 1 | Id | String | 100 | Yes | Yes | PK |  |  |
| 2 | UserId | String | 100 | Yes | No | FK | User |  |
| 3 | Challenge Difficulty | String | 100 | Yes | No |  |  |  |
| 4 | Title | String | 100 | Yes | No |  |  |  |
| 5 | Description | String | 100 | Yes | No |  |  |  |
| 6 | Input Format | String | 100 | Yes | No |  |  |  |
| 7 | Output Format | String | 100 | Yes | No |  |  |  |
| 8 | Sample Input | String | 100 | Yes | No |  |  |  |
| 9 | Sample Output | String | 100 | Yes | No |  |  |  |
| 10 | Tags | String | 100 | Yes | No |  |  |  |

|  |  |  |  |  |  |  |  |  |
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| **Code** | | | | | | | | |
| Sr.  No. | Field  Name | Data  Type | Width | Required | Unique | PK/FK | Referenced  Table | Description |
| 1 | Id | String | 100 | Yes | Yes | PK |  |  |
| 2 | UserId | String | 100 | Yes | No | FK | User |  |
| 3 | FileName | String | 100 | Yes | No |  |  |  |
| 4 | Code | String | 1000 | Yes | No |  |  |  |