## Employee

| Attribute | Data Type | Description | Constraints | Example |
|---|---|---|---|---|
| employeeID | INT(7) | Unique ID for the employee | Primary Key | 1234567 |
| firstName | VARCHAR(50) | Employee's first name | Not Null | Sarah |
| lastName | VARCHAR(50) | Employee's last name | Not Null | Jones |
| address | VARCHAR(99) | Employee's home address | Nullable | 12 Long St |
| dateOfBirth | DATE | Date of birth | Not Null | 12/08/1989 |
| annualSalary | DECIMAL(10,2) | Employee's yearly income | Not Null | 82350.00 |

## Race

| Attribute | Data Type | Description | Constraints | Example |
|---|---|---|---|---|
| raceID | VARCHAR(6) | Unique race ID | Primary Key | RTB005 |
| name | VARCHAR(99) | Name of the race | Not Null | Run the bridge |
| raceType | ENUM | Type of race | Must be one of:<br>'1K Dash'<br>'5K'<br>'10K'<br>'Half Marathon'<br>'Full Marathon' | Full Marathon |
| location | VARCHAR(99) | Location of the race | Not Null | Hobart |
| dateTime | DATETIME | Start date and time of the race | Not Null | 9/02/2025 '8:30:00' |
| managedBy | INT | Employee ID of the race manager | FK > Employee.employeeID | 1234567 |

## Participant

| Attribute | Data Type | Description | Constraints | Example |
|---|---|---|---|---|
| participantID | INT(8) | Unique ID for the participant | Primary Key | 34567890 |
| firstName | VARCHAR(50) | Participant's first name | Not Null | James |
| lastName | VARCHAR(50) | Participant's last name | Not Null | Brown |
| dateOfBirth | DATE | Date of birth | Not Null | 14/06/2000 |
| gender | ENUM | Participant's gender identity | Must be one of:<br>'male'<br>'female'<br>'undisclosed'<br>'neither' | male |
| priorExperience | BOOLEAN | Has previously participated in races | Default false (0 = no, 1 = yes) | 0 |

## RaceRegistration (Composite)

| Attribute | Data Type | Description | Constraints | Example |
|---|---|---|---|---|
| participantID | INT(8) | Linked participant ID | FK > Participant.participantID, Part of PK | 34567890 |
| raceID | VARCHAR(6) | Linked race ID | FK > Race.raceID, Part of PC | RTB005 |