

The transform function is designed to convert a **DetailedPerson** record into a **DetailedStudent** record. This transformation involves mapping the fields of the **DetailedPerson** to the corresponding fields of the **DetailedStudent** while handling nested records and arrays.

Input Record (DetailedPerson):

- **id (int):** Unique identifier for the person.
- **firstName (string):** First name of the person.
- **lastName (string):** Last name of the person.
- **age (int):** Age of the person.
- **visaType (string):** Visa type of the person.
- **weight (string):** Weight of the person.
- **salary (string):** Salary of the person.
- **totalCredits (int):** Total academic credits.
- **isRegistered (boolean):** Registration status.
- **personalDetails (PersonalDetails):** Nested record containing address and course details.
- **emergencyContacts (DetailedPerson[]):** Array of emergency contacts.

Nested Records:

1. PersonalDetails

- **homeAddress (Address):** Nested address record containing city, zip code, and country.
- **courseDetails (CourseDetails[])** as follows

▼ courseDetailsItem: CourseDetails

courseId: string	<input type="radio"/>
courseName: string	<input type="radio"/>
credits: decimal	<input type="radio"/>
grade: string	<input type="radio"/>

2. Address

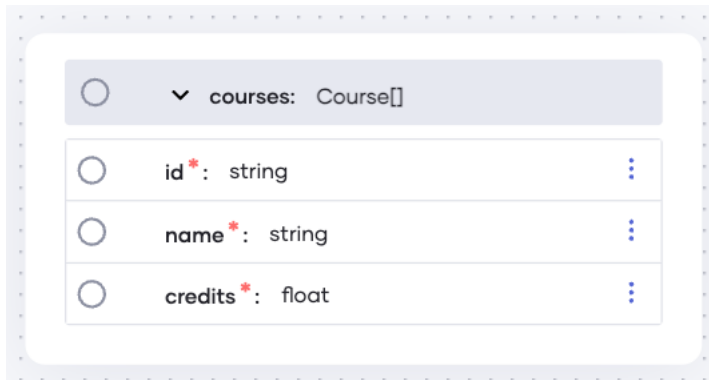
- **city (string):** City of residence.
- **zipCode (string):** ZIP code of residence.
- **country (string):** Country of residence.

3. Employment

- **jobTitle (string):** Job title.
- **salary (decimal):** Salary.

Output Record (DetailedStudent):

- **id (string):** Unique identifier for the student.
- **name (string):** Full name of the student.
- **age (int):** Age of the student.
- **weight (float):** Weight of the student.
- **courses (Course[])** as follows



○	▼ courses: Course[]
○	id *: string
○	name *: string
○	credits *: float

- **totalCredits (float):** Total academic credits.
- **isRegistered (string):** Registration status.
- **employment (EmploymentDetails):** Nested employment details containing job title and salary.
- **address (Address):** Nested address record containing city, zip code, and country.
- **contacts (int):** Number of emergency contacts.