**Report**

**Semantic Web application for a higher education institution**

Here's a summary of the RDF data and ontology:

Data:

* There are 8 Teachers: Ava, Isabella, Harper, Elijah, DrSmith, DrJohnson, and 2 instances with missing identifiers (one teaches Chemistry101 and the other Physics101).
* There are 10 Students: Ethan, Liam, Amelia, Daniel, Samuel, Emily, Abigail, Alexander, William, and Olivia.
* There are 6 Courses: Math101, Psychology101, Physics101, Chemistry101, Literature101, and History101.
* There are 2 Promotions: AcademicExcellenceScholarship and MeritScholarship.
* Each course is part of a corresponding academic program.

Ontology:

* Main classes include Person, Teacher, Student, EducationalEntity, Program, Course, and Promotion.
* Object properties describe relationships between instances of these classes, such as email addresses, dates of birth, enrollment statuses, teaching relationships, course enrollment, course-program relationships, and promotions awarded to students.
* Some properties define labels or descriptions for courses, teachers, students, and promotions.

Overall, the RDF data and ontology describe an academic setting with teachers, students, courses, programs, and promotions. The ontology provides a schema for organizing the data, while the RDF data provides specific instances of people, courses, and promotions in the academic setting.