

## 12. Develop a RESTful service to accept student registration data sent from a web form.

### Index.html

```
<!DOCTYPE html>

<html>

<head>

    <title>Student Registration</title>

</head>

<body>

    <h2>Student Registration Form</h2>

    <form action="ws/students/register" method="post">

        <label for="name">Name:</label>

        <input type="text" id="name" name="name" required><br><br>

        <label for="email">Email:</label>

        <input type="email" id="email" name="email" required><br><br>

        <label for="course">Course:</label>

        <input type="text" id="course" name="course" required><br><br>

        <button type="submit">Register</button>

    </form>

</body>

</html>
```

StudentResource.java

```
package in.ga.resource;
```

```
import jakarta.ws.rs.*;
```

```
import jakarta.ws.rs.core.MediaType;
```

```
import jakarta.ws.rs.core.Response;
```

```

@Path("/students")

public class StudentResource {

    @POST
    @Path("/register")
    @Produces(MediaType.TEXT_PLAIN)
    public Response registerStudent(
        @FormParam("name") String name,
        @FormParam("email") String email,
        @FormParam("course") String course) {

        if (name == null || email == null || course == null) {
            return Response.status(Response.Status.BAD_REQUEST)
                .entity("All fields (name, email, course) are required.")
                .build();
        }

        return Response.status(Response.Status.CREATED)
            .entity("Student Registered: " + name + " (" + email + ") for " + course)
            .build();
    }
}

```