ASSIGNMENT (25.03.2025)

- 1.Create SampleServlet extend the SlingAllMethod Servlet and register it using resourceType
- 2.Create CreatePageServlet extend the SlingSafeMethod Servlet and register it using path
- 3 Take page name from user and create pages in aem using above servlet
- 4.Use page Manager Apis for above task.
- 5.Create one SearchServlet to search the content using PredicateMap to search the content from pages

```
StringBuilder resultOutput = new StringBuilder("Search Results:\n");

try {
    List<Hit> hits = result.getHits();
    for (Hit hit : hits) {
        resultOutput.append(hit.getPath()).append("\n");
    }
} catch (Exception e) {
    response.getWriter().write( s: "Error fetching search results: " + e.getMessage());
    return;
}

response.getWriter().write(resultOutput.toString());
} else {
    response.getWriter().write( s: "QueryBuilder could not be initialized.");
}
}
```

```
import org.apache.sling.api.servlets.ServletResolverConstants;
import org.apache.sling.api.resource.ResourceResolver;
import javax.servlet.ServletException;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
@Component(service = Servlet.class,
        property = {
public class SearchServlet extends SlingSafeMethodsServlet {
    {\tt protected\ void\ doGet(SlingHttpServletRequest\ request,\ SlingHttpServletResponse\ \underline{response})}
            throws ServletException, IOException {
        String searchText = request.getParameter( s: "searchText");
            response.getWriter().write( s: "Search text is required.");
        ResourceResolver resolver = request.getResourceResolver();
        QueryBuilder queryBuilder = resolver.adaptTo(QueryBuilder.class);
        if (queryBuilder != null) {
```