

Reliability and Deployment of Code

- This solution for generating an XML file, in its current form, is fully reliable and ready for deployment.
- With ValidateDate() method, solution is capable of validating the format of user input dates after each input and return false if the input is in incorrect format other than (YYYY-MM-DD). For example, '12/08/1990', '12-08-1990' or '12-8-90' will be considered as invalid input but '1990-08-12' is a valid input.
- In terms of output file, if required, user can generate text file in addition to XML file, by adding '.txt' extension to the file name.
- It's worth noting that user is encouraged to enter file name with required extension (.txt or .xml) but if user have entered only the name of the file then the code is designed to generate xml file by default with the same filename.
- Along with filename, user is permitted to include location of file where the output file will be saved. For example, "F:\kishan\study\ Assignment\A 5\summary.xml" is the file location and "summary.xml" is name of the output file.
- The solution is designed in such a way that retrieving additional information about customers, products or suppliers is easy, where one just have to add constructive query to the code, along with appropriate tags and later print them to final output file.
- This solution is tested for multiple times and have generated successful results for different periods - 2 years, 2 year 4 months and also several days like 12 days, 17 days, 45 days. Note that these results were verified against results from the original database and were accurate to last detail.
- However, during testing, some output file generates error when opened in web browser as some customer_name and supplier_name field contains "&" in their names which is considered illegal in XML format. So to resolve this, its advisable to make changes in the customers & suppliers table in the database itself rather than making changes to the solution before deployment.
- Another solution to this exception would be to replace every occurrence of '&' with 'and' in each resultant table, only if its acceptable.