**DATA TYPES AND DATA OBJECTS**

**INPUT:**

A screenshot of a computer

Description automatically generated

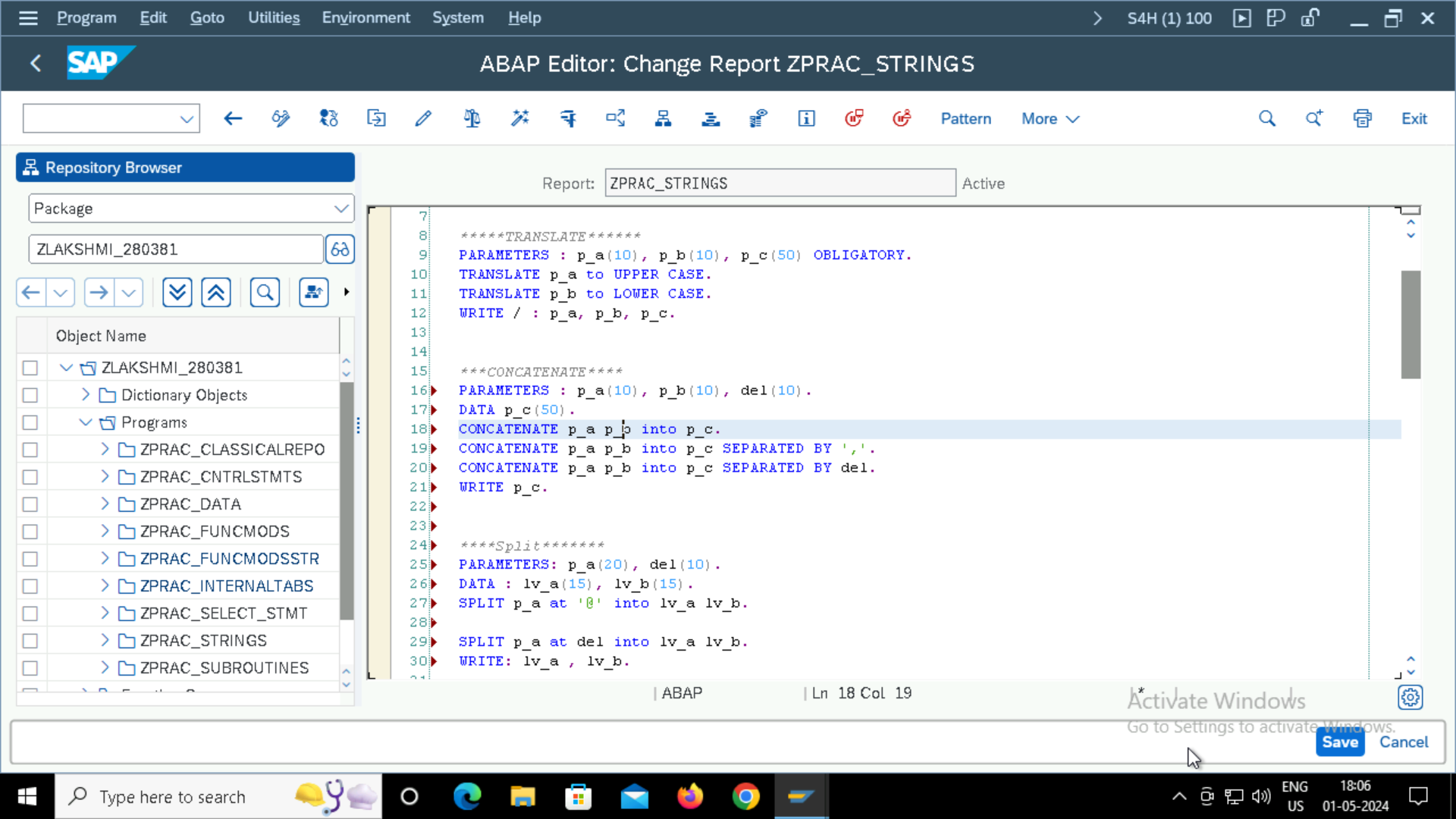
**OUTPUT:**

A screenshot of a computer

Description automatically generated

**STRINGS**

**INPUT:**



A screenshot of a computer

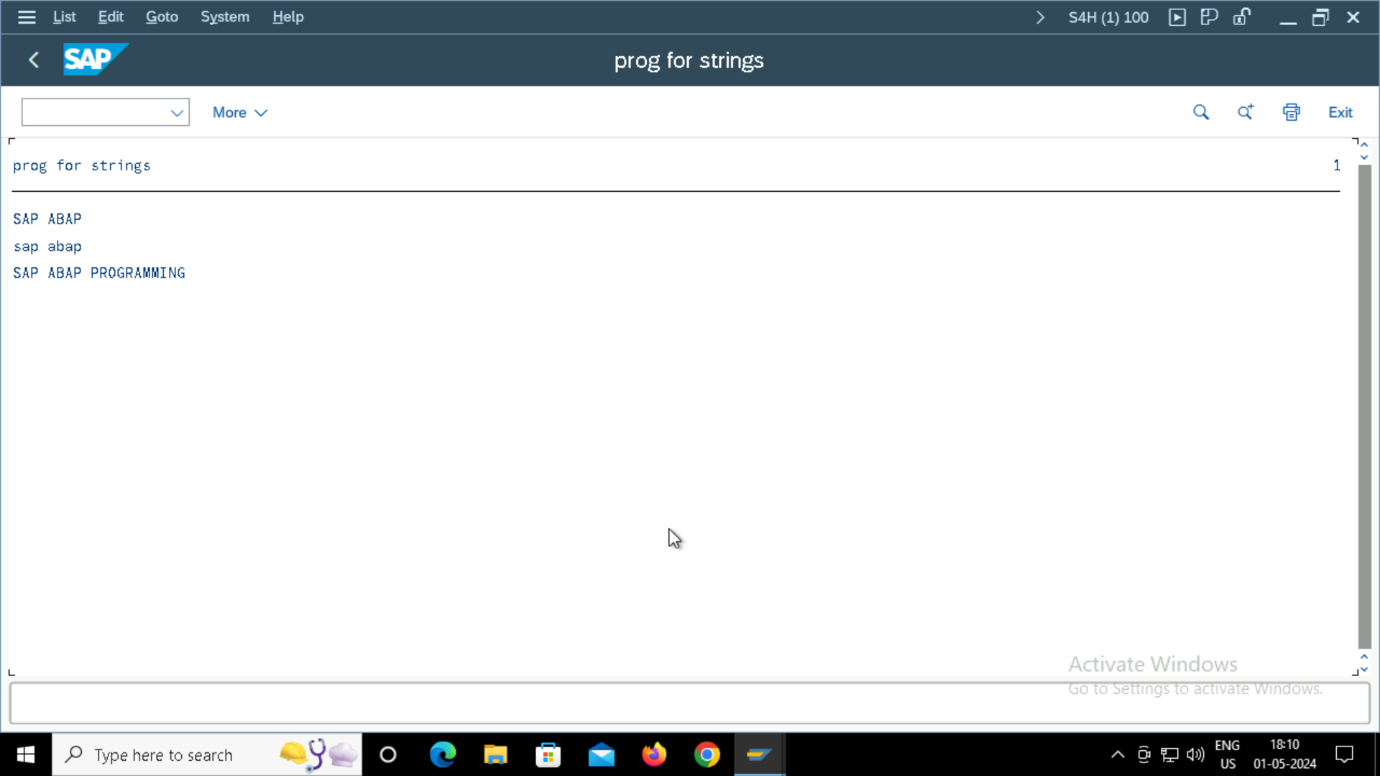
Description automatically generated

A screenshot of a computer

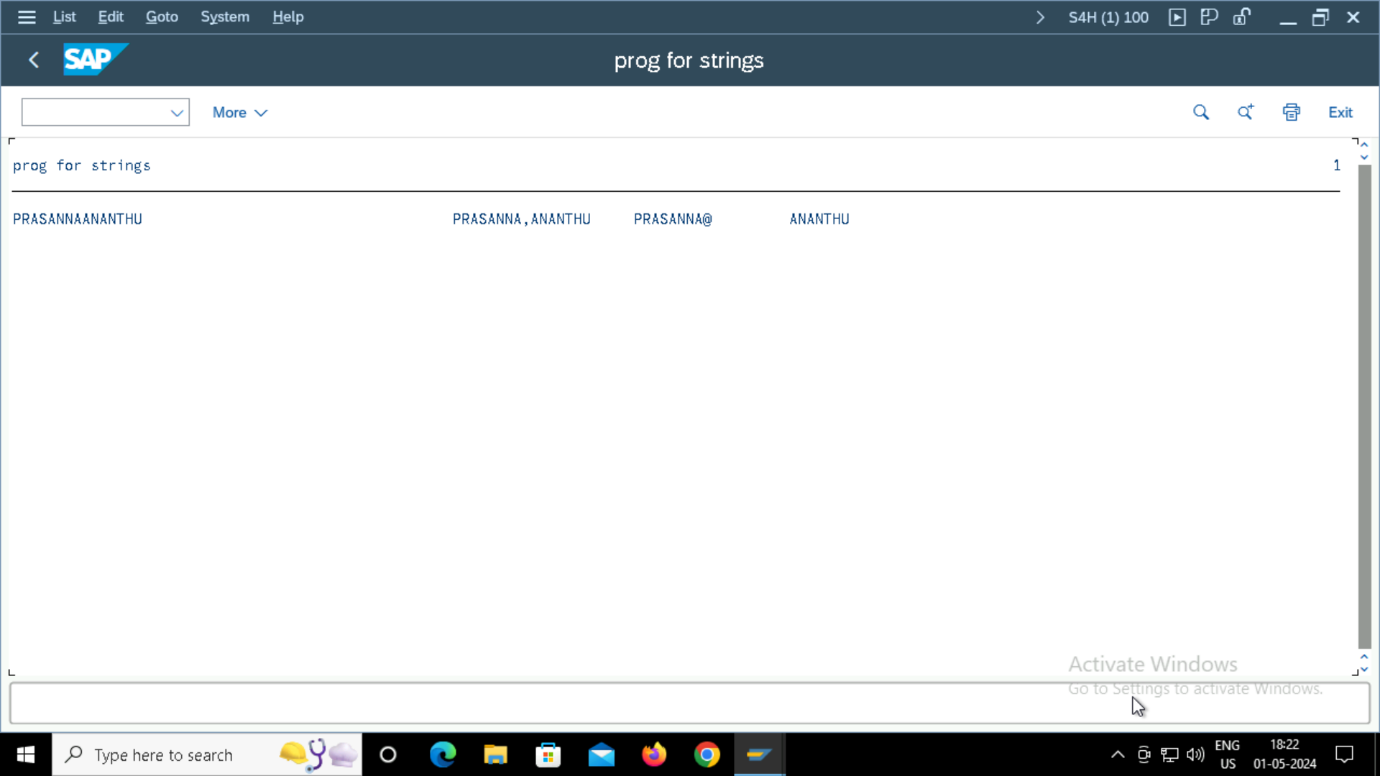
Description automatically generated

**OUTPUTs:**

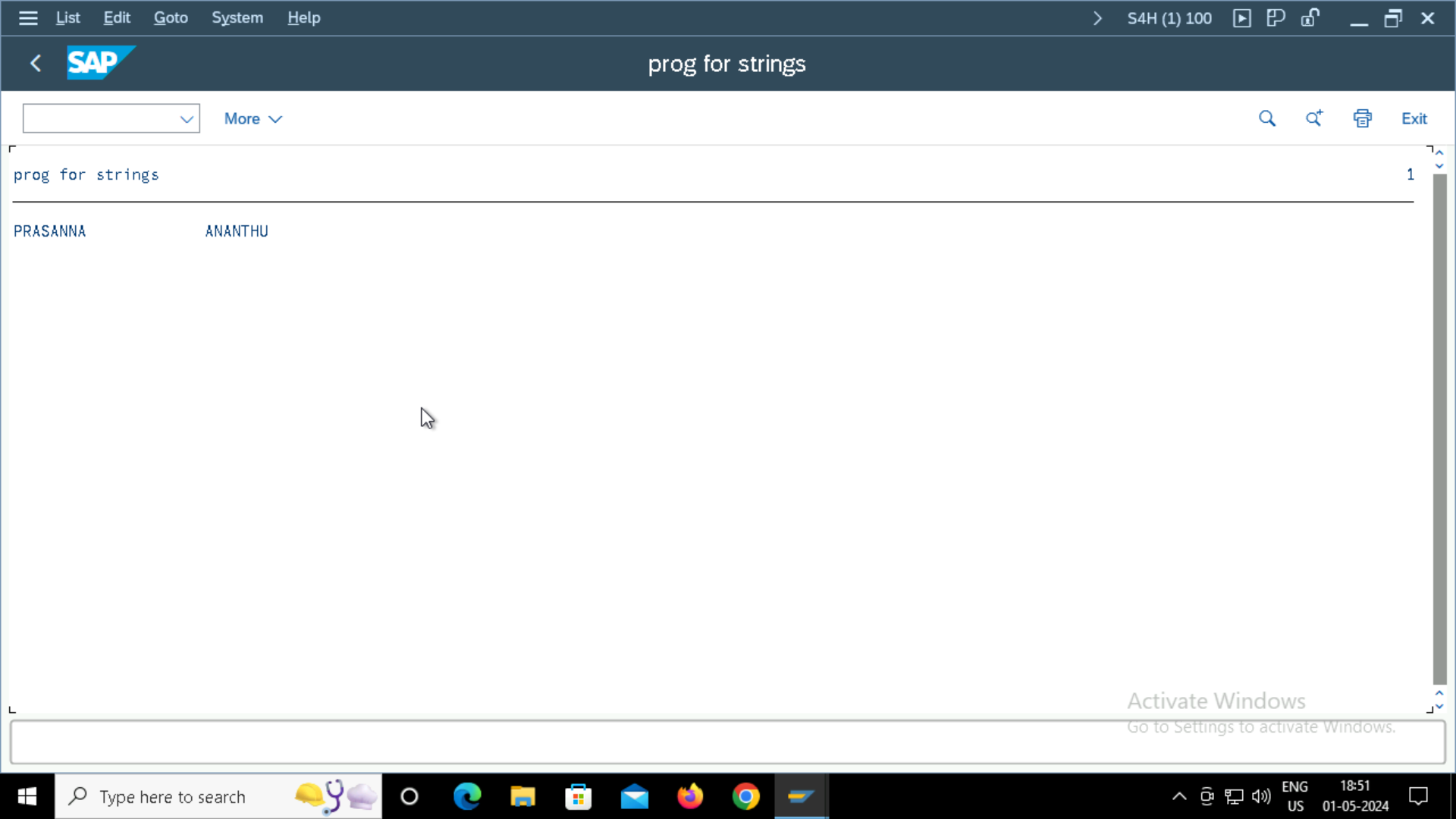
**TRANSLATE,**

****

**CONCATENATE and using separated by,**

****

**SPLIT,**



**OFFSETTING,**

**A screenshot of a computer

Description automatically generated**

**STRING LENGTH,**

**A screenshot of a computer

Description automatically generated**

**REPLACE,**

**A screenshot of a computer

Description automatically generated**

**CONDENSE and with NOGAPS,**

**A screenshot of a computer

Description automatically generated**

**LEFT SHIFT and RIGHT SHIFT,**

**A screenshot of a computer

Description automatically generated**

**CONTROL STATEMENTS , LOOP STATEMENTS and LOOP TERMINATING STATEMENTS**

**INPUTS,**

**A screenshot of a computer

Description automatically generated**

A screenshot of a computer

Description automatically generated

**OUTPUTS for control statements and loops,**

A screenshot of a computer

Description automatically generated

**LOOP TERMINATING STATEMENTS INPUT,**

**A screenshot of a computer

Description automatically generated**

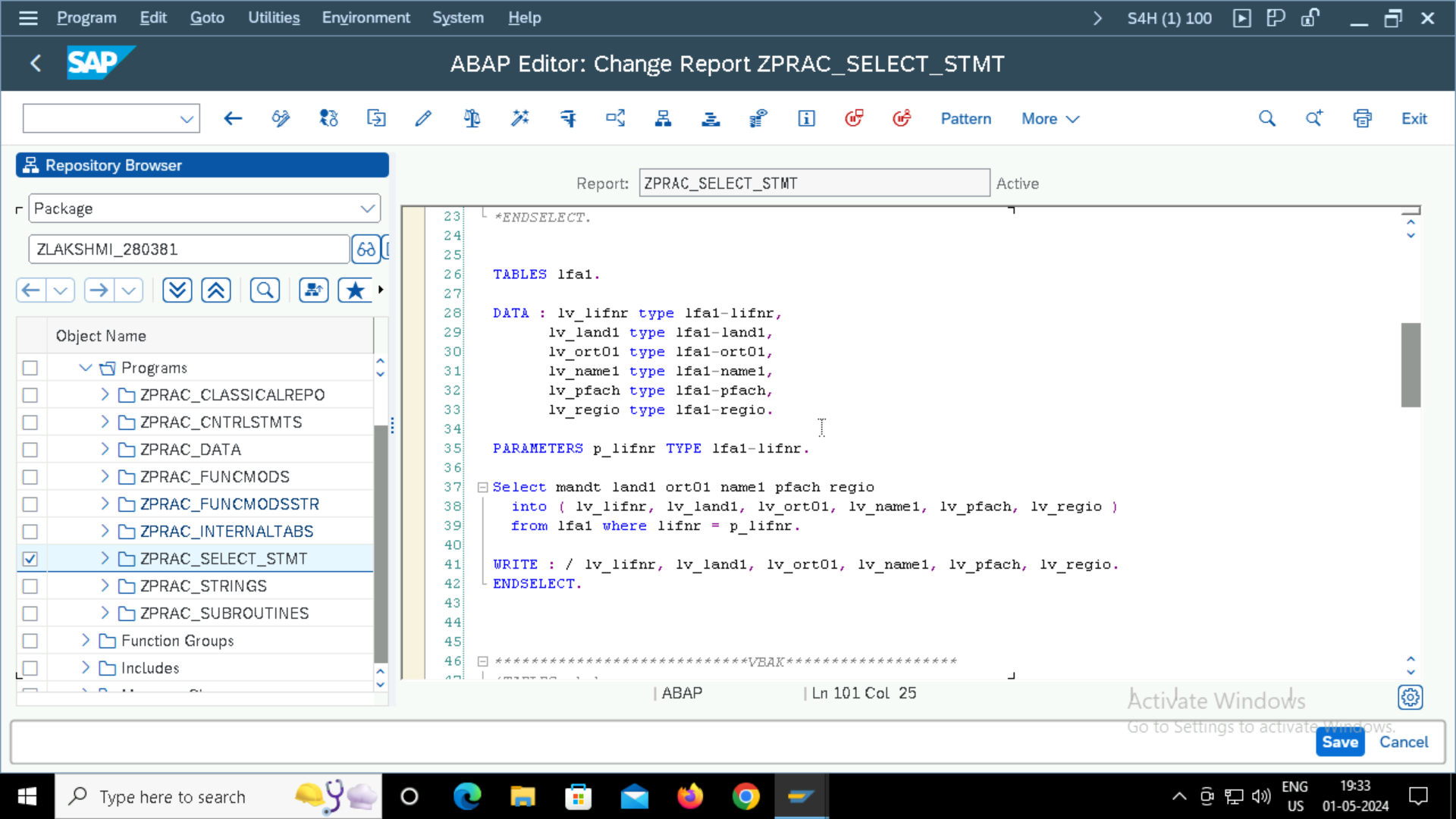
**OUTPUT,**

A screenshot of a computer

Description automatically generated

**SELECT STATEMENTS,**

**INPUTs**



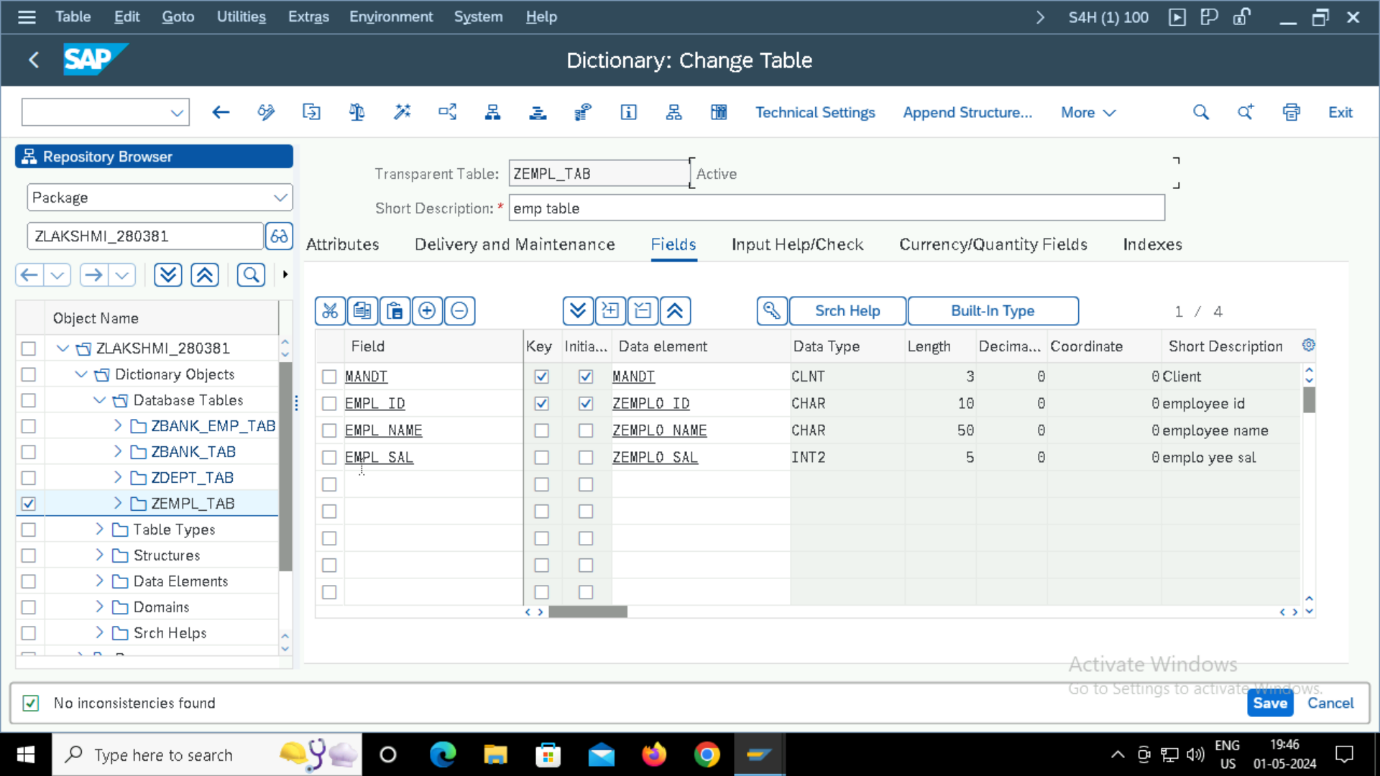
**OUTPUT,**

A screenshot of a computer

Description automatically generated

**TABLES,**

**EMPLOYEE TABLE:**

****

**EMPLOYEE ID is the foreign key in the DEPARTMENT TABLE,**

A screenshot of a computer

Description automatically generated

**STRUCTURES**

**Creating flat structure,**

****

**Creating complex structure: after creating flat structure, we need to create complex structure using table type.**



**SEARCH HELPS**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer

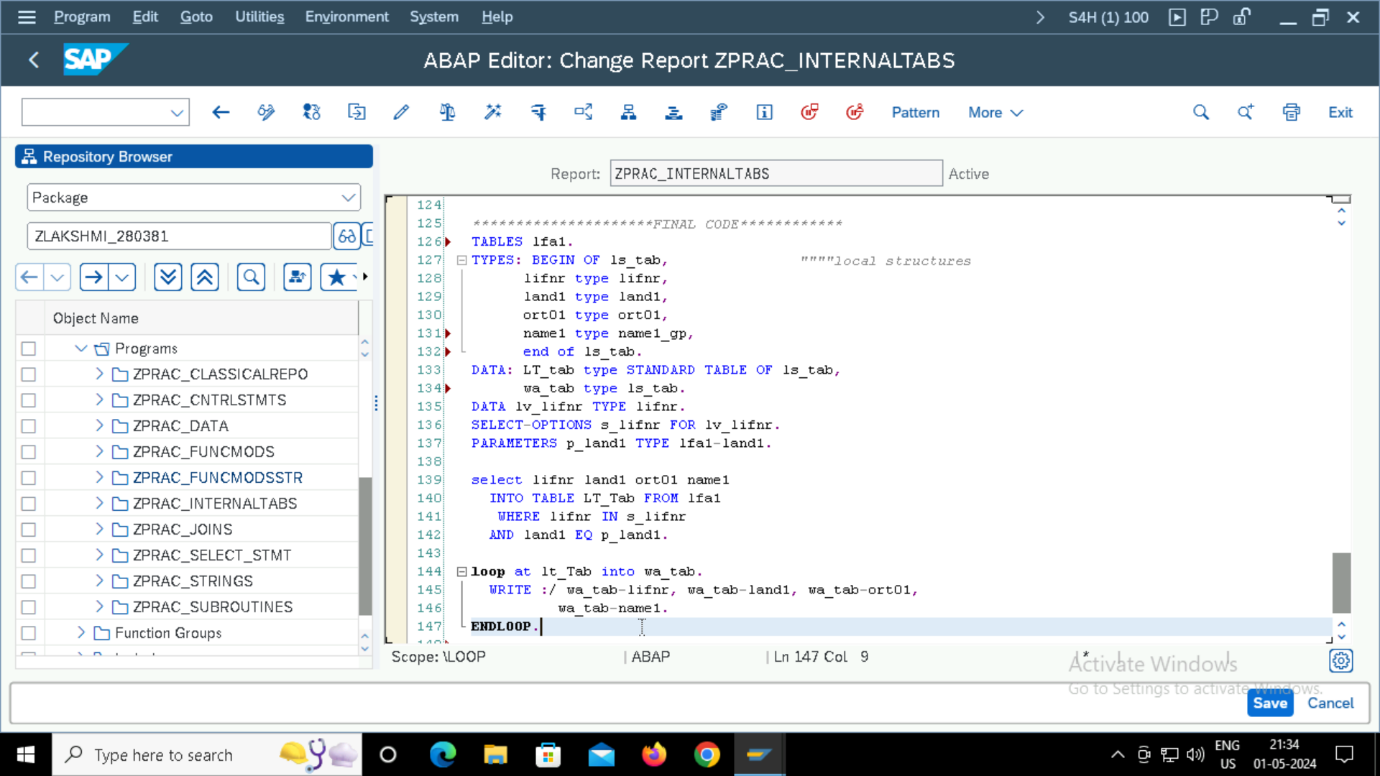
Description automatically generated**

**A screenshot of a computer

Description automatically generated**

**INTERNAL TABLES**

**INPUT,**

****

**OUTPUT,**

A screenshot of a computer

Description automatically generated

**VIEWS**

**DATABASE VIEWS,**

**INPUT**

**A screenshot of a computer

Description automatically generated**

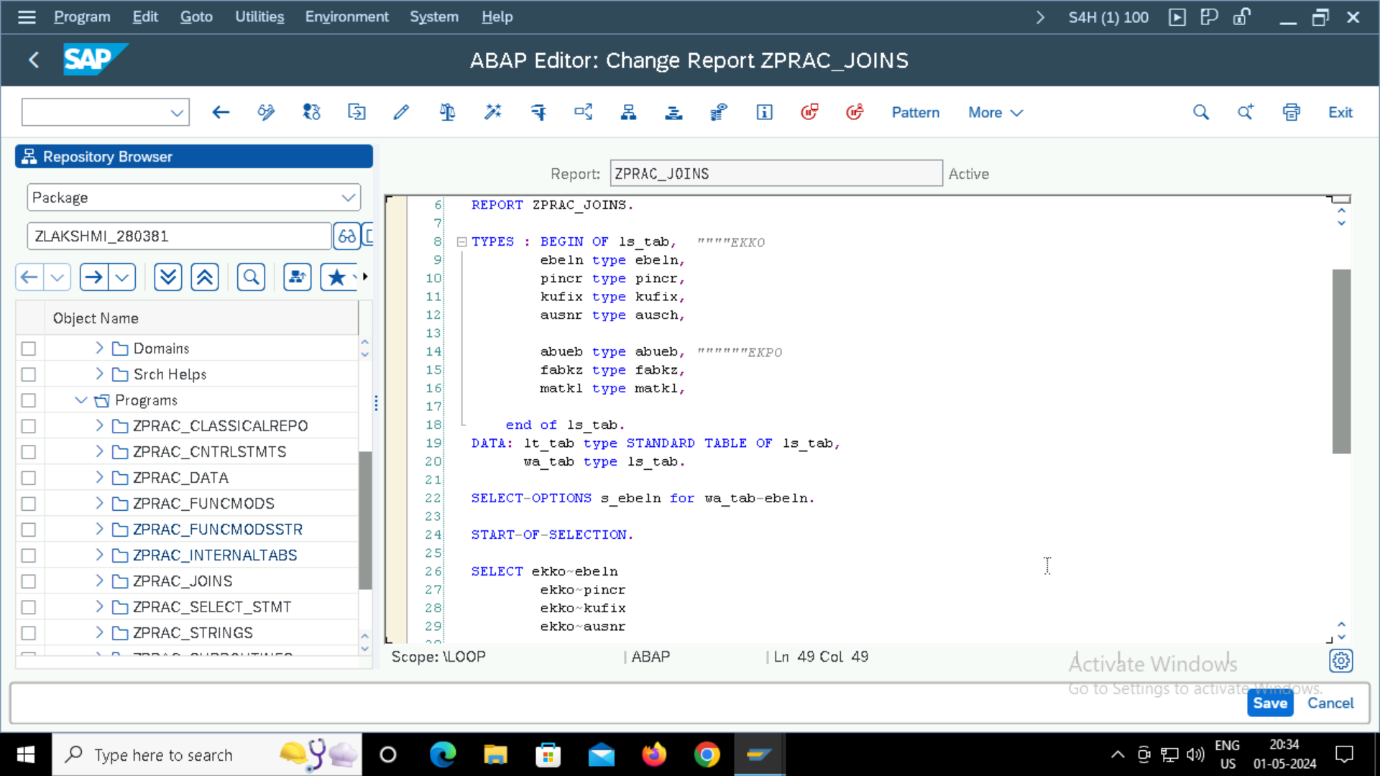
**OUTPUT,**

**A screenshot of a computer

Description automatically generated**

**JOINS,**

**INPUT,**

****

**A screenshot of a computer

Description automatically generated**

**OUTPUT**

**A screenshot of a computer

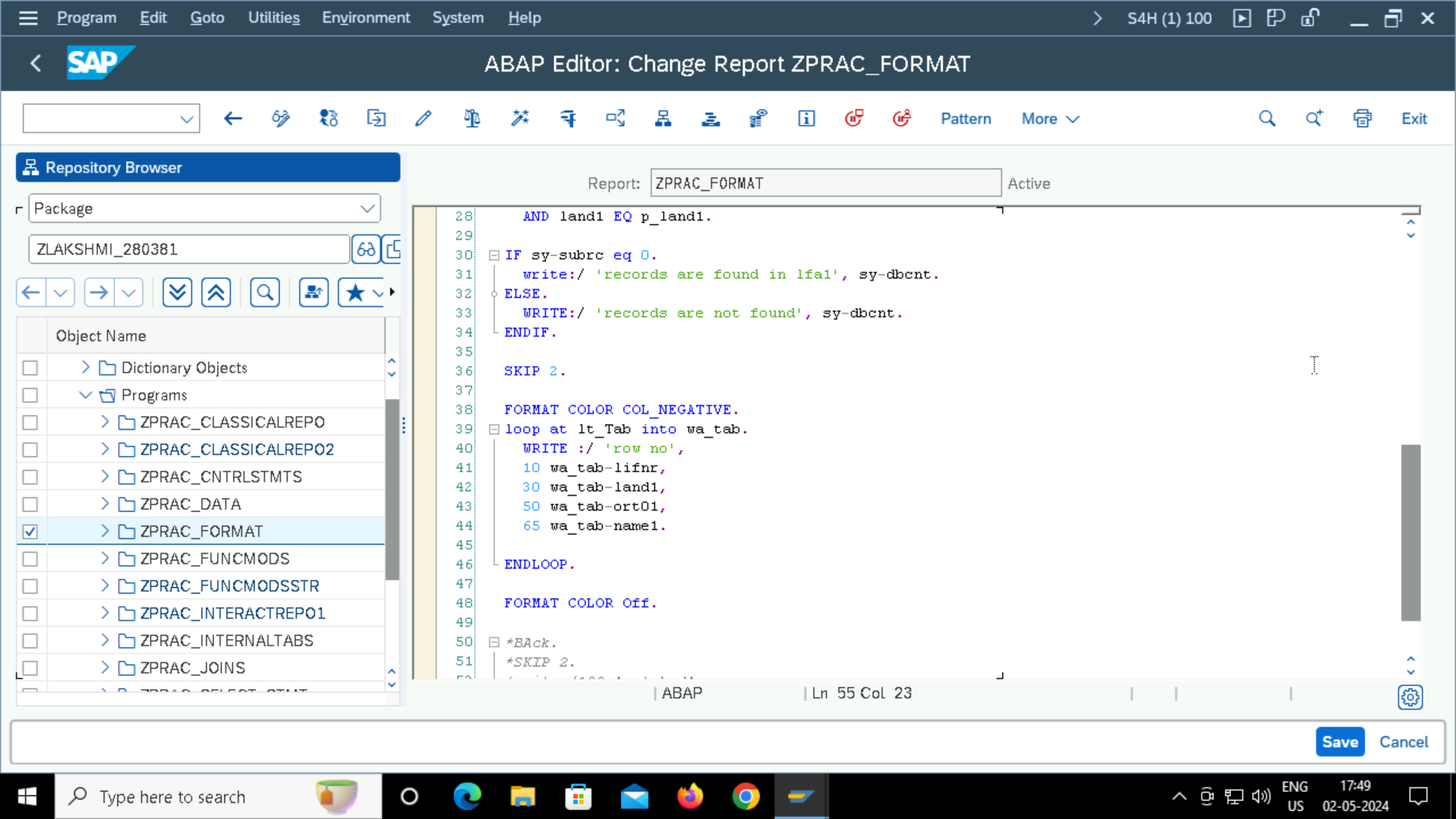
Description automatically generated**

**FORMATTING**

**INPUTs,**

**A screenshot of a computer

Description automatically generated**



**Outputs,**

A screenshot of a computer

Description automatically generated