# Lab 4 – SID

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| * This is worth 10 points and due tonight. * Follow the usual naming convention. * Please **zoom in** your screenshots. |

# Task 1: Getting SID, SAT on Windows

* Obtain the SID of the current login with **WMIC** command. Attach a screenshot for the SID and highlight it in red/yellow.

Text

Description automatically generated

* Obtain the SID of the current login in the Registry. Attach a screenshot for the SID and highlight it in red/yellow.

Text, letter

Description automatically generated

# Task 2: Getting SID on SQL Server

Get the SID of the account you used for SQL Server login.

A. SID: 0x01050000000000051500000034358F2637869E5B8AB71EC9F4010000.

A picture containing table

Description automatically generated

B. What is the role of the function “fn\_SIDToString” in the above?

**It takes the hex value of the SID and converts it into a string format for the user to view.**

C. Compare the SID from SQL Server for the administrator login with that from Windows Server for the administrator. Show the two screenshots. Use the SIDs in a string format (that is, in the S- format, not in Hex). Are they the same?

The SID of the administrator login from SQL Server (show the S-format)

Graphical user interface, text, application

Description automatically generated

The SID of the administrator login from Windows Server (show the S-format)

Text

Description automatically generated

D. SQL Server SID: **0x84BF30B93A094E4698F042A206700C77**

E. Windows Server SID: **0x107088B4D8A67048901B62689087C512**

F. Are the SIDs of login SIDTest the same? Describe the reason why they are (not) the same?

**No, they are not the same as SIDs are unique to each instance created.**

# Task 3: Learn PowerShell Scripting

* Run your script and report the output in a screenshot.

Text

Description automatically generated