**DAILY ASSESSMENT FORMAT(DAY 5)**

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| **Date:** | **08 Jun 2020** | **Name:** | **Bhuvanesh M** |
| **Course:** | **java** | **USN:** | **4AL16EC015** |
| **Topic:** | **String builder** | **Semester & Section:** | **8-A** |
| **Github Repository:** | **Bhuvan** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**    **REPORT**  How to use StringBuilder, StringBuffer and why you should use them. This video also unveils the mystery of formatting strings with printf() and related methods; vital skills for any Java course or aspiring software developer.  **CODE**  **public** **class** **App** **{**  **public** **static** **void** **main(**String**[]** args**)** **{**    *// Inefficient*  String info **=** ""**;**    info **+=** "My name is Bob."**;**  info **+=** " "**;**  info **+=** "I am a builder."**;**    System**.**out**.**println**(**info**);**    *// More efficient.*  StringBuilder sb **=** **new** StringBuilder**(**""**);**    sb**.**append**(**"My name is Sue."**);**  sb**.**append**(**" "**);**  sb**.**append**(**"I am a lion tamer."**);**    System**.**out**.**println**(**sb**.**toString**());**    *// The same as above, but nicer ....*    StringBuilder s **=** **new** StringBuilder**();**    s**.**append**(**"My name is Roger."**)**  **.**append**(**" "**)**  **.**append**(**"I am a skydiver."**);**    System**.**out**.**println**(**s**.**toString**());**    *///// Formatting //////////////////////////////////*    *// Outputting newlines and tabs*  System**.**out**.**print**(**"Here is some text.tThat was a tab.nThat was a newline."**);**  System**.**out**.**println**(**" More text."**);**    *// Formatting integers*  *// %-10d means: output an integer in a space ten characters wide,*  *// padding with space and left-aligning (%10d would right-align)*  System**.**out**.**printf**(**"Total cost %-10d; quantity is %dn"**,** 5**,** 120**);**    *// Demo-ing integer and string formatting control sequences*  **for(int** i**=**0**;** i**<**20**;** i**++)** **{**  System**.**out**.**printf**(**"%-2d: %sn"**,** i**,** "here is some text"**);**  **}**    *// Formatting floating point value*    *// Two decimal place:*  System**.**out**.**printf**(**"Total value: %.2fn"**,** 5.6874**);**    *// One decimal place, left-aligned in 6-character field:*  System**.**out**.**printf**(**"Total value: %-6.1fn"**,** 343.23423**);**    *// You can also use the String.format() method if you want to retrieve*  *// a formatted string.*  String formatted **=** String**.**format**(**"This is a floating-point value: %.3f"**,** 5.12345**);**  System**.**out**.**println**(**formatted**);**    *// Use double %% for outputting a % sign.*  System**.**out**.**printf**(**"Giving it %d%% is physically impossible."**,** 100**);**  **}**  **}**    My name is Bob. I am a builder.  My name is Sue. I am a lion tamer.  My name is Roger. I am a skydiver.  Here is some text. That was a tab.  That was a newline. More text.  Total cost 5 ; quantity is 120  0 : here is some text  1 : here is some text  2 : here is some text  3 : here is some text  4 : here is some text  5 : here is some text  6 : here is some text  7 : here is some text  8 : here is some text  9 : here is some text  10: here is some text  11: here is some text  12: here is some text  13: here is some text  14: here is some text  15: here is some text  16: here is some text  17: here is some text  18: here is some text  19: here is some text  Total value: 5.69  Total value: 343.2  This is a floating-point value: 5.123  Giving it 100% is physically impossible. |