Learning Outcome.

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| **Objective** | | **Action steps** | **Remark** | **Level reached** |
| 1)Analyzing and explaining the programs- fundamental constructs | | Can do it. | okay |  |
| 2) Writing short programs- fundamental pgm constructs | | Already did programs which included looping statements and other basic constructs.  Need to practice once again | Practice them once again. |  |
| 3) Identifying errors and syntax mistakes | | Practice it online and try to solve the errors on my own. | Read about errors in stackoverflow. |  |
| 4) Write short pgms which includes arrays or arraylists | | Wrote program of LibraryCatalog, shopping cart which used arrays in it.  Arraylists should be implemented and checked. | Edit the librarycatalog pgm with arraylists |  |
| 5) Design and implement a class and activate methods | | Learned how to do it. | Okay. |  |
| 6) Construct objects using a class and activate methods on them. | | Learned it from the programs which I already did. Learn about it once again. I will Try new methods | Okay . |  |
| 7) Use static and instance members of a class properly. | | Learnt the differentiation in the library catalog program. | Read online about them in depth. |  |
| 8) Identify and describe the properties of a variable- value, scope and lifetime | | I Practiced usage of static and final variables. Will read from online and practice some small programs including those variables. | Try using them in different aspects. |  |
| 9)Describe parameter passing mechanisms-formal,actual,non object,object | | Learnt how to pass all type of parameters and returning them in bookMyshow and shoppingCatalog programs. | Practice returning arraylists in a program. |  |
| 10) Write java doc comments | | Wrote in some programs. | Refer to java API. |  |
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