

# ASSIGNMENT 1

NAME		MATRIC NO.	
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SUBJECT	OBJECT ORIENTED PROGRAMMING	CODE	CCS20704
PROGRAMME	FTW		
DATE OF SUBMISSION	1 DECEMBER 2018		
LECTURER'S	DR. RUSYAIZILA RAMLI		

This assignment is to achieve CO:

- CO1 Write java program using Java fundamental components and control structures. (C6, PLO2)

## OBJECTIVE

To provide in-depth understanding of the java programming and for student to demonstrating effective java skills; and for students to be able to identify the problems along with strategies to be employed to solve the question. Chapter cover from Chapter 1: Java Basic

## INSTRUCTION:

1. Date of Submission: **1.12.2018**
2. Clarify the project background
3. Attach project design and requirement
4. Attach the details of the programming analysis.
5. Attach application and documentation rubric in the report.

## TASK:

As a group of programmer, you are directed to build **MSU MEDICAL CENTER APPLICATION** (while and for loop and selection concepts). Follow the requirements given below:

- Should have at least **TWO (2)** basic of selection statement, and at least **TWO (2)** repetitive input from the user (Compulsory to use while and for) Allow to apply an array to store data.
- Consisted of **TWO COMPLEX** calculation or process. Example: Medicine inventory, Staff data or Patient information.
- This program covers for Patient, Staff (Including doctor) and Medicine.
- Cannot be same with exercise in lab or lecture class or any sources. If any will get 0. And consider F for assignment 1. No remedial will be given.
- Plagiarism is prohibited

**\*\*\* PLEASE PRINT THIS COVER**

## RUBRICS

Application: 100 marks (15%)

Component/ weightage	(Excellent) 4	(Good) 3	(Fair) 2	(Poor) 1	Marks
<b>Program execution (20)</b>	Program executes correctly with no syntax or runtime errors	Program executes with a minor syntax error(easily fixed error)	Program executes with a major syntax error (easily fixed error)	Program does not execute	
<b>Design of output (20)</b>	Interface and program displays more than expected	Interface and program displays minimally expected output	Interface and program does not display the required output	Interface and program is poorly designed	
<b>OOP Topic Implementation (20)</b>	Applied 1 topic from lecture notes with extra features	Applied 1 topic and achieved expectation	Applied very simple topic not achieving expectation	Not applying any topic	
<b>OOP Features (20)</b>	Object oriented programing, More than 2 objects and 2 classes	Only achieved 2 objects or 2 classes	Only achieved 1	Not achieved	
<b>Plagiarisms &amp; Copy (20)</b>	Program is unique	Program has <50% similarity with other teams' output	Program has >50% similarity with other teams' output	Program is exactly the same with other teams' work	
<b>TOTAL:</b>					

**Documentation (100 marks) – 5%**

Component/ weightage	(Excellent) 4	(Good) 3	(Fair) 2	(Poor) 1	Marks
<b>Coding Standards (20)</b>	<ul style="list-style-type: none"> <li>Includes name, date, and assignment title.</li> <li>Include White space makes program fairly easy to read but Wrong formatting</li> <li>Organized work.</li> <li>Proper use of variables (few global variables, unambiguous naming).</li> </ul>	<ul style="list-style-type: none"> <li>Includes name, date, and assignment title.</li> <li>Include White space makes program fairly easy to read but Wrong formatting</li> <li>Organized work.</li> <li>Not proper use of variables (few global variables, unambiguous naming).</li> </ul>	<ul style="list-style-type: none"> <li>Includes name, date, and assignment title.</li> <li>Poor include White space makes program fairly easy to read. Wrong formatting</li> <li>Not organized work.</li> <li>Not proper use of variables (few global variables, unambiguous naming).</li> </ul>	<ul style="list-style-type: none"> <li>No name, date, or assignment title included</li> <li>Very poor use of white space (indentation, blank lines).</li> <li>Disorganized and messy</li> <li>Poor use of variables (many global variables, ambiguous naming).</li> </ul>	
<b>Proper Documentation (20)</b>	<ul style="list-style-type: none"> <li>Clearly and effectively documented including descriptions of the project background</li> <li>Specific purpose is noted for each function, control structure, input requirements, and output results.</li> </ul>	<ul style="list-style-type: none"> <li>Clearly documented including descriptions of all variables.</li> <li>Specific purpose is noted for each function and control structure.</li> </ul>	<ul style="list-style-type: none"> <li>Basic documentation has been completed including descriptions of all variables.</li> <li>Purpose is noted for each function.</li> </ul>	<ul style="list-style-type: none"> <li>Very basic documentation included and Wrong formatting</li> </ul>	
<b>Interface Design (20)</b>	<ul style="list-style-type: none"> <li>Attached with proper explanation</li> </ul>	<ul style="list-style-type: none"> <li>Attached with minimal explanation</li> </ul>	<ul style="list-style-type: none"> <li>Attached without explanation</li> </ul>	<ul style="list-style-type: none"> <li>Attached but incomplete</li> </ul>	
<b>Program analysis (20)</b>	<ul style="list-style-type: none"> <li>Well analyse the main important segment with good clarification and screen shot of the program. Critically noted the function of the program</li> </ul>	<ul style="list-style-type: none"> <li>Analyse most of the important segment but not critical.</li> </ul>	<ul style="list-style-type: none"> <li>Analyse a few of the important segment of the program</li> </ul>	<ul style="list-style-type: none"> <li>Commenting the program with a very basic description for less than 2 functions</li> </ul>	
<b>Submission (20)</b>	<ul style="list-style-type: none"> <li>On time submission</li> </ul>	<ul style="list-style-type: none"> <li>ONE-week LATE submission</li> </ul>	<ul style="list-style-type: none"> <li>TWO weeks' LATE submission</li> </ul>	<ul style="list-style-type: none"> <li>THREE weeks' LATE submission</li> </ul>	
<b>TOTAL</b>					