**Assignment 2**

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| Course Title: | Introduction to Information and Communication Technologies | | | | Course Code: | | CSC101 | Credit Hours: | 3(2,1) |
| Course Instructor/s: | Saman Safdar | | | | Programme Name: | | BS Software Engineering | | |
| Semester: | 1st | Batch: | **FA 21 BSE**  , | Section: | A,B | | Date: |  | |
| **Time Allowed:** |  | | | | **Maximum Marks:** | | | **10** | |
| Student’s Name: |  | | | | Reg. No. | CIIT/SDP- - - /LHR | | | |
| **Important Instructions / Guidelines:**   * Submission date is 15th Dec 2021 * Only hand written assignment will be considered. | | | | | | | | | |

***Question : Make traceable for following algorithms.***

Algorithm 1:

1. **Start**
2. **X = 6**
3. **For M=1 to X do**
4. **Y=X-M**
5. **Z=5\*Y-M**
6. **M=M+1**
7. **Endfor**
8. **Print Z**
9. **End**

Algorithm 2:

Assume input

1. 20, 30
2. 100,80
3. 45,56
4. **start**
5. **Difference = 0**
6. **N=1**
7. **While ( N<=3)**
8. **Input A,B**
9. **If A<=B then**
10. **Difference=A-B**
11. **Else**
12. **Difference=B-A**
13. **Endif**
14. **N=N+1**
15. **EndWhile**
16. **Print Difference**
17. **End**