COALAB 07-08-2023 MONDAY

Assignment No : 1 Problem no : 1

Group Number: 14 Semester : AUTUMN 2023

Group Members :

1. P.Chethan Krishna Venkat (21CS30036)
2. Gummadi Vikhyath (21CS10028)

Observations:

|  |  |  |
| --- | --- | --- |
| Input X | Value e^X | No Of iterations |
|  |  |  |
| 1 | 2 | 2 |
| 2 | 6 | 4 |
| 3 | 18 | 7 |
| 4 | 50 | 9 |
| 5 | 143 | 12 |
| 6 | 387 | 13 |
| 7 | 1035 | 13 |
| 8 | 2429 | 11 |
| 9 | 4565 | 13 |
| 10 | 10500 | 13 |

NOTE: The calculations involved in test cases above x=6 have integer exceeding limits and cannot be stored in the 32 bit registers.