

# Assignment on Banker's Algorithm

Due April 8, 2021 11:59 PM

## Instructions

1. Consider the following example of a system, check whether the system is safe or not, using Banker's algorithm. Determine the sequence if it is safe.

Process

Allocation

A	B	C
---	---	---

Max

A	B	C
---	---	---

Available

A	B	C
---	---	---

P0

0	1	0
---	---	---

7	5	3
---	---	---

3	3	3
---	---	---

P1

2	0	0
---	---	---

3	2	2
---	---	---

P2

3	0	2
---	---	---

9	0	2
---	---	---

P3

2	1	1
---	---	---

2	2	2
---	---	---

P4

0	0	2
---	---	---

4	3	3
---	---	---

2. Consider the following example of a system, check whether the system is safe or not, using Banker's algorithm. Determine the sequence if it is safe.

Process

Allocation

A	B	C	D
---	---	---	---

Max

A B C D

Available

A B C D

P0

0 0 1 2

0 0 1 2

1 5 2 0

P1

1 0 0 0

1 7 5 0

P2

1 3 5 4

2 3 5 6

P3

0 6 3 2

0 6 5 2

P4

0 0 1 4

0 6 5 6