Quiz 04 Questions

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True/False

0.0/1.0 point (graded)

"Memory access latency is higher with paging than with contiguous allocation if no additional hardware support is available for paging." - Is this statement true or false?

- ○ True ✔
- ◉ False

✖

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True/False

1.0/1.0 point (graded)

"In Worst Fit, we allocate the smallest possible hole from the entire list." - Is this statement true or false?

- ○ True
- ◉ False

✔

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True/False

1.0/1.0 point (graded)

"Deadlock is the starvation of a group of processes." - Is this statement true or false?

- ○ True
- ◉ False

✔

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Checkboxes

2.0/2.0 points (graded)

Select all the options that are correct. There may be a single or multiple correct options. Selecting incorrect option will cause reduction of marks.

The circular wait can be avoided:

- [x] By making a order of resource types
- [ ] By running concurrent processes.
- [ ] None of the ablove.

✔

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Checkboxes

2.0/2.0 points (graded)

Select all the options that are correct. There may be a single or multiple correct options. Selecting incorrect option will cause reduction of marks.

Address binding of instructions to memory address can occur:

- [x] Compile Time
- [x] Load TIme
- [x] Execution Time
- [ ] None of the ablove.

✔

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Multiple Choice

2.0/2.0 points (graded)

If we have a process of 34,678 bytes, and if we have pages of size 4096 bytes, then we will need:

- ○ 8 pages
- ◉ 9 pages
- ○ 8.5 pages
- ○ 7 pages

✔

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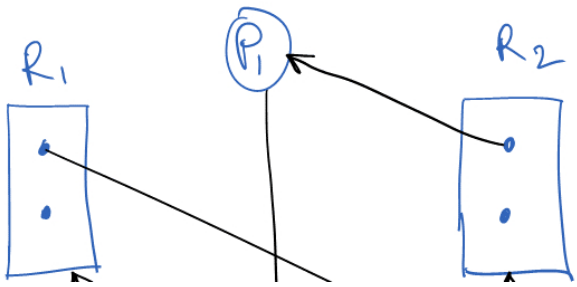
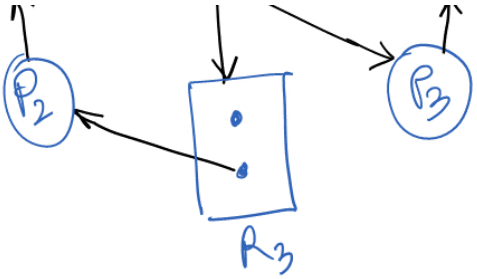
Allocation Graph

3.0/3.0 points (graded)





Select the correct statements about the Resource allocation graph shown above.

- [ ] One instance of R1 is assigned to P1
- [x] P3 is requesting for R2
- [ ] P2 has got one instance of R1
- [x] P1 is requesting for R3
- [ ] P3 has got one instance from R2
- [x] P2 is requesting for R1

✔

How many cycle is there in the graph? [input numerical value only. Exmaple: 5]

1 ✔

1

Is there deadlock in the system?

- ( ) Yes
- (•) No

✔

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Blank Common Problem

3.0/3.0 points (graded)

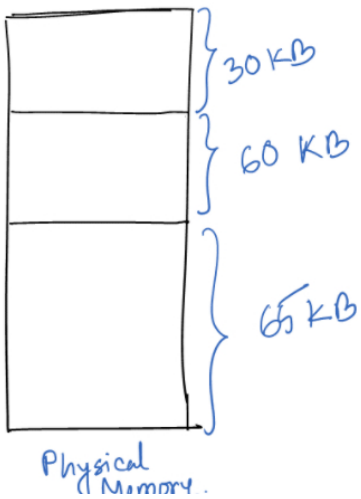
There are 4 processe and three initial holes in the physical memory shown in the picture. The system supports variable size partitioning.

$P_1 = 35\,KB$

$P_2 = 20\,KB$

$P_3 = 80\,KB$

$P_4 = 7\,KB$



If you follow worst fit technique to store the processes, will there be any external fragmentation?

- (●) Yes
- ( ) No

✔

If you follow worst fit technique to store the processes, will there be any internal fragmentation? [Assumption: up to 3KB is neglibile amount of storage]

- (●) Yes
- ( ) No ✔

✖

Using worst fit technique can all the processes be stroed in physical memory?

- ( ) Yes
- (●) No

✔

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Answers are displayed within the problem

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