Question # 1:

Concurrency:

Concurrency means that an application is making progress on more one task at the same time. If the computer has only one CPU, the application may not make progress on more than one task at exactly the same time, but more than one task is being processed at a time inside the application. It does not completely finish one task before it begin the next.

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| --- | --- | --- | --- |
| |  | | --- | | Task 1 |  |  | | --- | | Task 2 |  |  | | --- | | Task 3 | |

Concurrency

* Multiple task make progress at the same time.

Parallelism:

It means that an application splits its task into smaller subtasks, which can be processed in parallel, for the same time. Parallelism is related to how an application handles each individual task. An application may process task serially from start to end, or split the task up into subtasks which can be completed in parallel.

Question # 2:

How to change top refresh time?

* Start “top” command.
* Press d
* Start new delay (default = 3.0 sec) to 10.0 sec
* Press shift+w. notice message wrote configuration to ‘/ name/suleman/.top’
* Quit “top”
* Start “top” again. Now the delay will be upto 10.0 sec.

Question # 3:

Identify the stop signal:

To stop a process by using kill 19 signal number is used.

Kill -19 (PID of process)

(OR)

Kill –SIGSTOP (PID of process)

Note: -19 and –SIGSTOP are same.

Question # 4:

#include<studio.h>

#include<sys/types.h>

#include<unistd.h>

int main()

{

for(int i = 0; I < 4; i++ )

{ fork();

Print(“Hello\n”);

)

printf(“Exit\n”);

}

Output: It will create Hello 30 times and Exit 16 times.

