Quiz B module 3

Due Apr 17 at 11:59pm   **Points** 8   **Questions** 8
Time Limit 10 Minutes

Attempt History

	Attempt	**Time**	**Score**
LATEST	**Attempt 1**	10 minutes	8 out of 8

Submitted Apr 15 at 8:59pm

Question 1	1 / 1 pts

fork() returns

○ 0 if the process is the child and 1 if the process is the parent

Correct! ◉ 0 if the process is the child and not 0 if the process is the parent

○ not 0 if the process is the child and 0 if the process is the parent

Question 2	1 / 1 pts

char *p = malloc(10);

p[0] = 4; int i=0;

if(fork()==0) { p[0] = 10; return 0;}

else {wait(&i);}

printf("%d",p[0]);

//this prints?

○ 10

○ 0

Correct! ◉ 4

Question 3   **1 / 1 pts**

if(fork()==0) { printf("C "); return 0;}

else

{

wait(&i);

if(fork()==0) { printf("D "); return 0;}

else {wait(&i); printf("A "); }
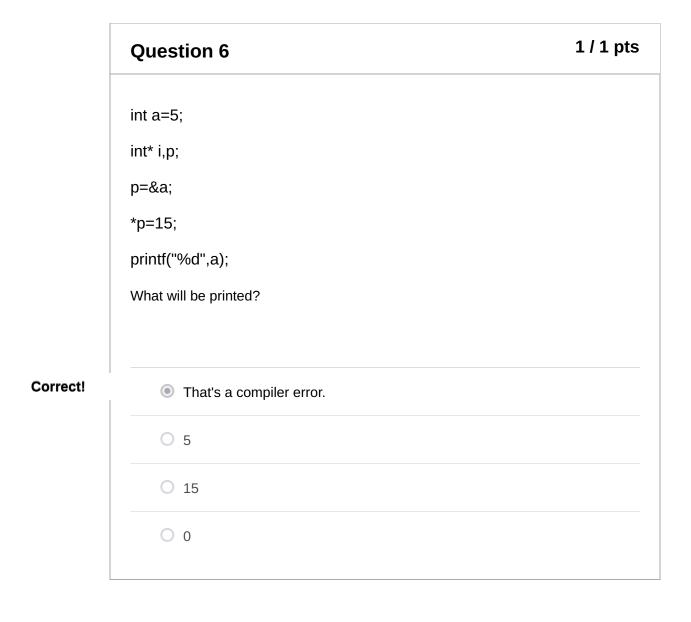
printf("B ");

}

//this prints?

○ D C B A

○ A B C D

○ D C A B

Correct! ◉ C D A B

Question 4

1 / 1 pts

fork()

fork()

results in

Correct!

- ◉ 4 processes

- ○ 6 processes

- ○ 2 processes

Question 5

1 / 1 pts

int *p = 0x00000E00; //Given, that your compiler is fine with direct addressing

p = p + 1;

//Whats p's address now?

- ○ 0x00000E02

Correct!

- ◉ 0x00000E04

- ○ 0x00000E00

- ○ 0x00000E01

- ○ 1x00000E01

Question 6

1 / 1 pts

int a=5;

int* i,p;

p=&a;

*p=15;

printf("%d",a);

What will be printed?

Correct!

- ◉ That's a compiler error.

- ○ 5

- ○ 15

- ○ 0

Question 7

1 / 1 pts

void *p = mmap(NULL, 4, PROT_READ | PROT_WRITE, MAP_SHARED, -1, 0);

//Turns out "p" holds an invalid address! Why?

Correct!

- ◉ MAP_ANONYMOUS is missing (because its purpose is to allocate free memory, not store a file)

- ○ The first argument must be an address in the free region of the process address space, and not NULL!

○ Both flags read AND write are active which is mutually exclusive!

○ To hell with mmap.

Question 8   1 / 1 pts

char text[] = "I sunk the Titanic";

char *p = text + 1;

if(p[5] == *(p + 5))   printf("yep");

else   printf("nope");

What will be printed?

○ 0

○ nope

○ That's a compiler error.

Correct!   ◉ yep