

On *fork()*: What are all possible outputs of the following program? Why?

```
#include <stdio.h>

int main(int argc, char *argv[])
{
    int pid ;

    pid = fork() ; /* fork another process */

    if (pid == 0) { /* child process*/

        printf("A") ;

    } else if (pid > 0 ) { /* parent process */

        printf("B") ;

    }
}
```

On *fork()*: What are all possible outputs of the following program? Why?

```
#include <stdio.h>

int main(int argc, char *argv[])
{
    int pid ;

    pid = fork() ; /* fork another process */

    if (pid == 0) { /* child process*/

        printf("A") ;

    } else if (pid > 0 ) { /* parent process */

        wait(NULL) ;
        printf("B") ;

    }
}
```

On *fork()*: What are all possible outputs of the program?

```
#include <stdio.h>

int main(int argc, char *argv[])
{
    int pid ;
    int control ;

    control = 10 ;

    pid = fork() ; /* fork another process */

    if (pid == 0) { /* child process*/

        printf("child=%d\n", control) ;

    } else if (pid > 0 ) { /* parent process */

        printf("parent=%d",control) ;

    }
}
```

On *fork()*: What are the output of the program?

```
#include <stdio.h>

int main(int argc, char *argv[])
{
    int pid ;
    int control ;

    control = 10 ;

    pid = fork() ; /* fork another process */

    control = 20 ;

    if (pid == 0) { /* child process*/

        printf("child=%d", control) ;

    } else if (pid > 0 ) { /* parent process */

        printf("parent=%d",control) ;

    }
}
```

On *fork()*: What are the output of the program?

```
#include <stdio.h>

int main(int argc, char *argv[])
{
    int pid ;
    int control ;

    control = 10 ;

    pid = fork() ; /* fork another process */

    if (pid == 0) { /* child process*/

        control = 20 ;
        printf("child=%d", control) ;

    } else if (pid > 0 ) { /* parent process */

        printf("parent=%d",control) ;

    }
}
```

On *fork()*: What are the output of the program?

```
#include <stdio.h>
#include <unistd.h>

int main(int argc, char *argv[])
{

    fork() ; /* fork a child process (1)*/

    fork() ; /* fork a child process (2) */

    fork() ; /* fork a child process (3) */

    printf("Hello world!\n") ;
}
```