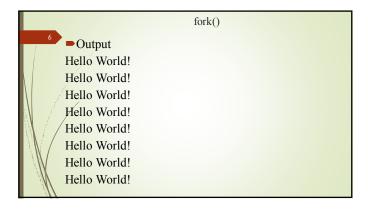


```
fork()

#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
int main()

{
    fork();
    fork();
    fork();
    printf("Hello World!\n");
    return 0;
}
```



```
fork()

8

The main process: P0
Processes created by the 1st fork: P1
Processes created by the 2nd fork: P2, P3
Processes created by the 3rd fork: P4, P5, P6, P7

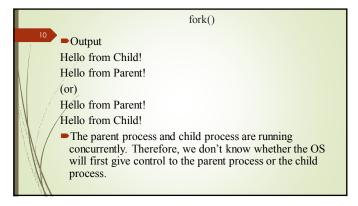
P0

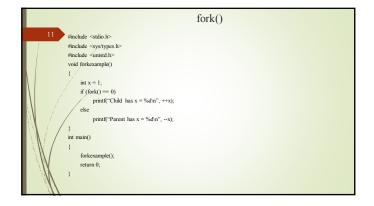
P1 P4 P2

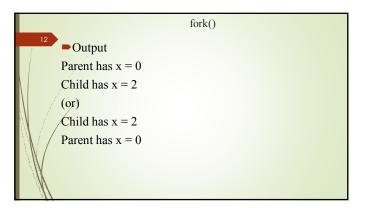
P3 P6 P5

P7
```









```
fork()

Poutput
Process ID = 1911
Parent has x = 0
Process ID = 0
Child has x = 2
(or)
Process ID = 0
Child has x = 2
Process ID = 1911
Parent has x = 0
```

```
fork()

Searching in fork()

Write a program to search the key element in parent process and print the key to be searched in child process.

Example:

Input:

Key = 10;

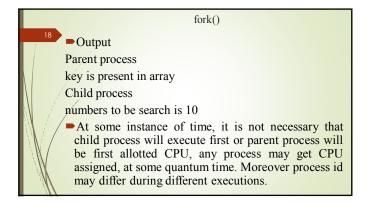
array[5] - (3, 8, 4, 10, 80);

Output:

Parent process
key is present in array
Child process
numbers to be search is 10
```

```
fork()

#include <i ostream>
#
```



```
fork()

Sorting in fork()

Write a program to sort the numbers in parent process and print the unsorted numbers in child process.

Example:

Input: 5, 2, 3, 1, 4

Output:
Parent process sorted numbers are 1, 2, 3, 4, 5

Child process numbers to sort are 5, 2, 3, 1, 4
```

```
#include <instream>
#include <instream>
#include <instrain=
#inclu
```

