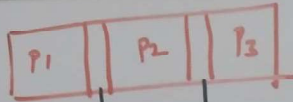


Content Switching



CST CST → Content Switch Time

— X —
FIRST FORK EXAMPLE

```
int main() {
```

```
    int pid;
```

```
    pid = fork();
```

How many times
will "Welcome to os"
Print?

```
    if (pid < 0)
```

```
        printf("fork Failed \n");
```

```
    else if (pid == 0)
```

```
        printf("child Block \n");
```

```
    else if (pid > 0)
```

```
        printf("parent Block \n");
```

```
    printf("Welcome To os \n");
```

```
    return 0;
```

```
}
```

! * → change * !

Fork & related system calls continued

✓ Quick Recap – Fork() – creates two processes in all – one parent and child of it. Default setup ./a.out forked as child with same image as that of parent post the forking point.

```
int main()
{
fork(); //A
fork(); //B
printf("OS Course 2020 \n");
}
```

Above code would output the message 4 times as identified by the green prompts in the accompanying trace

