# Process Control Block (PCB) Program Counter (PC)

#### fork()

- Creates a new child process
- OS creates a new PCB for child process

#### exec()

- Replaces current process memory space with a new program
- PCB for process remains

### **Memory Layout**

- Text Segment: Executable Code
- Data Segment: Initialized global/static variables
- Heap:
- Stack:
- BSS Segement: UNinitialized global/static variables

## **Program Counter (PC)**