



brojz@hr.nl

Knowledge Clip

Embedded Systems

Pthread with Parameters

Pthread without Parameters

```
void *print1(void *par) {  
    for (int i = 0; i < 10; i++) {  
        usleep(100000);  
        printf("print1\n");  
    }  
    return NULL;  
}
```

```
void *print2(void *par) {  
    for (int i = 0; i < 10; i++) {  
        usleep(200000);  
        printf("print2\n");  
    }  
    return NULL;  
}
```

Pthread with Parameters Example (1 of 2)

```
typedef struct {
    char *msg;
    useconds_t us;
} par_t;

void *print(void *par) {
    par_t* p = par;
    for (int i = 0; i < 10; i++) {
        usleep(p->us);
        printf(p->msg);
    }
    return NULL;
}
```

Pthread with Parameters Example (2 of 2)

```
void *main_thread(void *arg) {
    pthread_attr_t pta;
    pthread_attr_init(&pta);
    pthread_attr_setstacksize(&pta, 1024);

    pthread_t t1, t2;
    par_t p1 = {"print1\n", 100000};
    par_t p2 = {"print2\n", 200000};
    pthread_create(&t1, &pta, &print, &p1);
    pthread_create(&t2, &pta, &print, &p2);

    pthread_join(t1, NULL);
    pthread_join(t2, NULL);
    check( pthread_attr_destroy(&pta) );
    return NULL;
}
```

}

Knowledge clip pthread with parameters

Source: [pthread_par.c](#)

exceed expectations

