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Batch: F1

Subject: Operating System (OS)

Subject Code: 2CS506

Practical 10

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Code:

```
#include<stdio.h>
#include<pthread.h>
void *print(void *ptr){
    int *n=(int *)ptr;
    for(int i=1;i<=10;i++){
        if ((*n)==1 && i%2!=0){
            printf("Thread 1:%d\n",i);
        }
        else if ((*n)==2 && i%2==0){
            printf("Thread 2:%d\n",i);
        }else{
            continue;
        }
    }
}
int main(){
    pthread_t thread1,thread2;
    int arg1=1;
    int arg2=2;
    int
    iret1=pthread_create(&thread1,NULL,print,
    (void *)&arg1);
    int
    iret2=pthread_create(&thread2,NULL,print,
    (void *)&arg2);
    pthread_join(thread1,NULL);
    pthread_join(thread2,NULL);
    printf("iret1:%d\n"
,iret1);
    printf
    ("iret2:%d",iret2);
    return 0;
}
```

Output

```
Thread 1:1  
Thread 1:3  
Thread 1:5  
Thread 1:7  
Thread 2:2  
Thread 2:4  
Thread 2:6  
Thread 2:8  
Thread 2:10  
Thread 1:9  
iret1:0
```