Signature Posix

```
//creazione thread
int pthread create (pthread t * thread,
                       const pthread attr t * attr,
                       void * (*start routine)(void *),
                       void *arg);
// join
int pthread join (pthread t thread, void** value ptr );
//mutex
int pthread mutex init(pthread mutex t *mutex,
    pthread mutex attr *attr);
int pthread mutex lock(pthread mutex t* mutex );
int pthread mutex unlock(pthread mutex t* mutex );
int pthread mutex destroy(pthread mutex t *mutex);
//condition
int pthread cond init( pthread cond t *cond,
     pthread condattr t *cond attr )
int pthread cond destroy( pthread cond t *cond )
pthread cond wait(&a c v,&a mutex);
pthread cond signal (pthread cond t *cond)
pthread cond broadcast (pthread cond t *cond)
                            Signature MPI
MPI Init (&argc, &argv);
MPI Comm size (comm, &size);
MPI Comm rank (comm, &rank);
MPI Finalize ();
int MPI Send( void *buf, int count, MPI Datatype datatype, int dest,
int tag, MPI Comm comm );
int MPI Recv( void *buf, int count, MPI Datatype datatype, int
source, int tag, MPI Comm comm, MPI Status *status );
MPI Get count (MPI Status *status, MPI Datatype datatype, int *count
);
int MPI Isend (void *buf, int count, MPI Datatype datatype, int dest,
int tag, MPI_Comm comm, MPI_Request *request );
int MPI Wait (MPI Request *request, MPI Status
                                                  *status);
int MPI Test (MPI Request *request, int *flag, MPI Status *status)
int MPI Type vector(int block count, int block length, int stride,
MPI Datatype old datatype, MPI Datatype* new datatype);
int MPI Type commit(MPI Datatype* datatype);
int MPI Type free(MPI Datatype* datatype);
```