NOMBRE: CHRISTOFER FABIÁN CHÁVEZ CARAZAS

TEMA: HILOS

1. POSIX Threads

```c
#include <pthread.h>
#include <stdio.h>

#define NUMT 10

void * fun(void* arg){
    int num_tread = *((int*) arg);
    printf("Soy el hilo num %d \n",num_tread);
}

int main(int argc, char** argv){
    pthread_t hilos[NUMT];
    int num_hilos[NUMT];
    printf("Creando Hilos");
    for(int i = 0; i < NUMT; i++){
        num_hilos[i] = i;
        pthread_create(&hilos[i],NULL,fun,&num_hilos[i]);
    }
    for(int i = 0; i < NUMT; i++){
        pthread_join(hilos[i],NULL);
    }
    printf("FIN");
}
```

2. windows.h

3. JAVA

3.1. Class Hilo

```java
package HJ;
import java.lang.*;

public class Hilo extends Thread{
    private int number;

    public Hilo(int num){
        number = num;
    }

    @Override
    public void run()    {
        System.out.println("Holaaaa soy el hilo " + number);
    }
}
```

3.2.   Class Main

```java
import HJ.Hilo;

public class Main{
    static int numHilos = 10;
    public static void main(String[] args){
        Hilo[] hilos;
        hilos = new Hilo[numHilos];
        for(int i = 0; i < numHilos; i++){
            hilos[i] = new Hilo(i);
        }
        for(int i = 0; i < numHilos; i++){
            hilos[i].start();
        }
    }
}
```