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Q1.

#include <pthread.h>

#include <stdlib.h>

#include <stdio.h>

#include <unistd.h>

// printWelcomeMessage will be called when the Thread is created in the main function

// which takes string as an argument

struct myname{

int val1;

int val2;

}a;

void \*printWelcomeMessage(void \*threadid) {

sleep(2);

long tid=(long)threadid;

printf("\n[THREAD] Hello, Welcome %ld.", tid);

pthread\_exit(NULL);

}

int main () {

// thread defintion

pthread\_t threads[5];

// parameter to be passed to the called function - printWelcomeMessage

char threadid[10][15] = {"Amritha","Praveen","Saurabh","Sangeetha","Lakshmy","Srinivasan","Ramaguru"};

int result;

for(int i = 0; i < 7; i++ ) {

printf("\n[MAIN] Creating thread, %d", i);

// Creating the threading and thus calling the function with parameter passed to it

result = pthread\_create(&threads[i], NULL, printWelcomeMessage, (void \*)threadid[i]);

if (result) {

printf("Error in creating thread, %d ", result);

exit(-1);

}

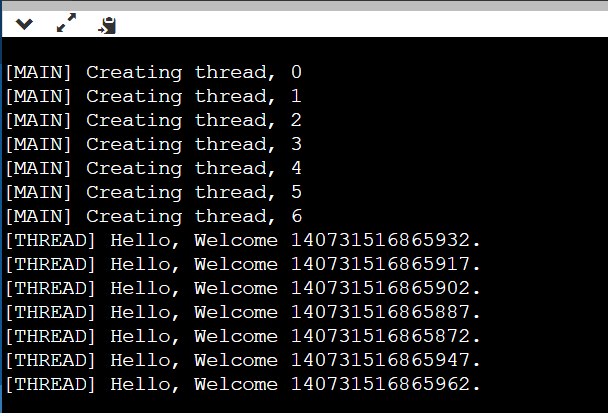
}

// Exit the thread

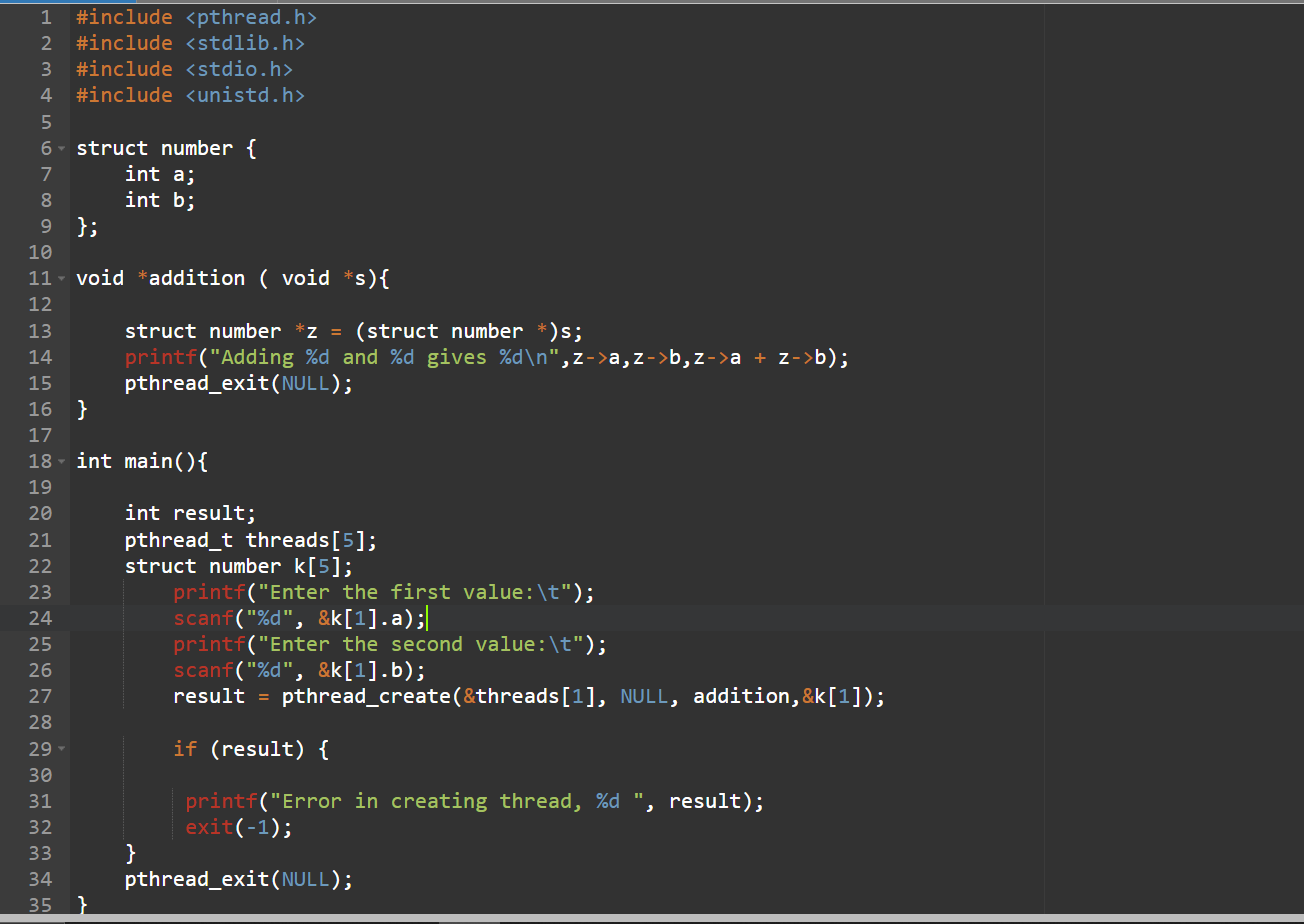
pthread\_exit(NULL);

}

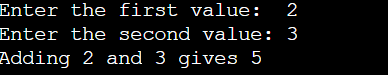
OUTPUT:



Q2.



Output:



Q3 using null



Output

