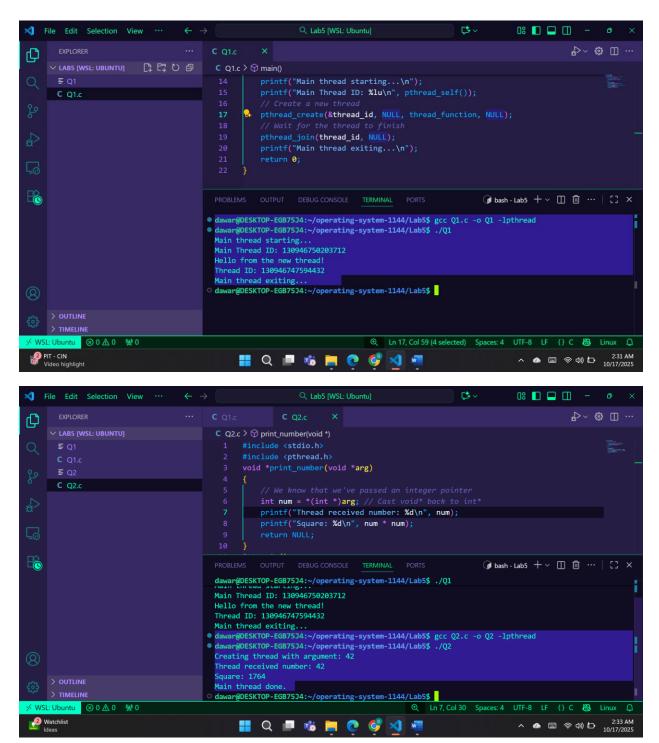


## National Textile University **Department of Computer Science**

## Subject:

| Operating System  |
|-------------------|
| Submitted to:     |
| Dr. Nasir Mehmood |
| Submitted by:     |
| Dawar Abbas       |
| Reg number:       |
| 1144              |

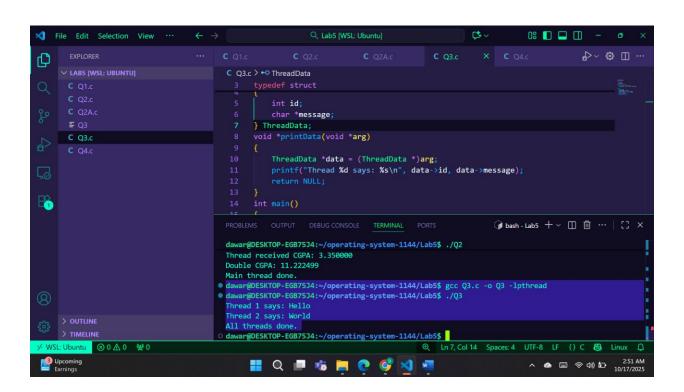
## Lab 5



```
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                                        C Q2A.c > 😭 print_number(void *)
                                              void *print_number(void *arg)
     C Q2A.c
                                                  float num = *(float *)arg; // Cast void* back to int*
printf("Thread received CGPA: %f\n", num);
                                                  printf("Double CGPA: %f\n", num * num);
 0
                                                  pthread_t thread_id;
                                                                                                  dawar@DESKTOP-EGB75J4:~/operating-system-1144/Lab5$ ./Q2
                                        Square: 11.222499
                                        Main thread done.
                                       • dawar@DESKTOP-EGB75J4:~/operating-system-1144/Lab5$ gcc Q2A.c -o Q2 -lpthread
                                        dawar@DESKTOP-EGB75J4:~/operating-system-1144/Lab5$ ./Q2
                                         Creating thread with argument: 3.350000
                                        Main thread done
                                        dawar@DESKTOP-EGB75J4:~/operating-system-1144/Lab5$
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                                                                                                                                                                                                                                                                                                                                                                              C Task3A.c X C O4.c
凸
                                                                                                                                                     C Task3A.c > 分 main()
                                                                                                                                                                            typedef struct
                                                                                                                                                                                                                 float ThreadData::cgpa
                                                                                                                                                                                         int id char * Generate Copilot summa
                                                                                                                                                                                         float cgpa;
                                                                                                                                                                            void *printData(void *arg)
                                                                                                                                                                                        ThreadData *data = (ThreadData *)arg;
printf("Thread %d name: %s cgpa: %f\n", data->id, data->message, data->cgpa);
   0
                                                                                                                                                                                         pthread_t t1, t2;
                                                                                                                                                                                       ThreadData data1 = {1, "Dawar", 3.35};
pthread_create(&t1, NULL, printData, &data1);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \label{lem:dawar@DESKTOP-EGB75J4:-/operating-system-1144/Lab5\$ gcc Task3(A).c -o task3 -lpthread bash: syntax error near unexpected token `('
                                                                                                                                                     dawar@DESKTOP-EGB75J4:~/operating-system-1144/Lab5$ gcc Task3'.c -o task3 -lpthread
                                                                                                                                              ● dawan@DESKTOP-E687534:~/operating-system-1144/Lab5$ gcc Task3A.c -o task3 -lpthread

● dawan@DESKTOP-E687534:~/operating-system-1144/Lab5$ ./task3

Thread 1 name: Dawar cgpa: 3.358000
                                                                                                                                              All threads done.

done
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