Task-1:

```
shuvo@shuvo-VMware-Virtual-Platform:~/Desktop/Lab Assignment 4$ gcc -o t1 task1.c
shuvo@shuvo-VMware-Virtual-Platform:~/Desktop/Lab Assignment 4$ ./t1
=== ACL ACCESS CONTROL TESTS ===
ACL Check: User Alice requests READ on File1: Access GRANTED
ACL Check: User Bob requests WRITE on File1: Access DENIED
ACL Check: User Charlie has NO entry for resource File1: Access DENIED
ACL Check: User Bob requests EXECUTE on File2: Access GRANTED
ACL Check: User David requests WRITE on File4: Access GRANTED
ACL Check: User Eve requests EXECUTE on File5: Access DENIED
ACL Check: User Alice has NO entry for resource File3: Access DENIED
ACL Check: User David has NO entry for resource File5: Access DENIED

=== CAPABILITY ACCESS CONTROL TESTS ===
Capability Check: User Alice requests WRITE on File1: Access GRANTED
Capability Check: User Bob requests WRITE on File1: Access DENIED
Capability Check: User Charlie has NO capability for File2: Access DENIED
Capability Check: User Bob requests WRITE on File2: Access GRANTED
Capability Check: User David requests READ on File4: Access GRANTED
Capability Check: User Eve requests EXECUTE on File5: Access DENIED
Capability Check: User Alice has NO capability for File3: Access DENIED
Capability Check: User Eve has NO capability for File4: Access DENIED
shuvo@shuvo-VMware-Virtual-Platform:~/Desktop/Lab Assignment 4$
```