**Úloha 1**

Input file som použil /dev/zero nech zaplni nulami output file

Block size je 1 MiB a 32 blockov zapisujem.

dd if=/dev/zero of=crypt\_fs.img bs=1M count=32

A screenshot of a computer

Description automatically generated

na setup luks format pouzivam nasledovne:

sudo cryptsetup luksFormat crypt\_fs.img

otvorim ho cez (zaroven sa namapuje do dev/mapper):

sudo cryptsetup open crypt\_fs.img crypt\_fs

dalej vytvorim EXT4 file system pomocou prikazu:

sudo mkfs.ext4 /dev/mapper/crypt\_fs

A computer screen shot of a black screen

Description automatically generated

Nasiel som ze nasledovny prikaz mozem pouzit na nastavenie label:

sudo e2label /dev/mapper/crypt\_fs crypt\_fs

rozhodol som sa pouzit tune2fs na zvysne veci:

sudo tune2fs -c 15 /dev/mapper/crypt\_fs

sudo tune2fs -m 3 /dev/mapper/crypt\_fs

a nakoniec mount:

sudo mount -o acl,quota,noexec /dev/mapper/encrypted\_fs /tmp/crypt

este som muisel predtym vytvorit mount point /tmp/crypt:

sudo mkdir -p /tmp/crypt

A screen shot of a computer program

Description automatically generated

A dalej som skusil spustit program:

A screen shot of a computer code

Description automatically generated

**Úloha 2**

permissions a ownership:

sudo mkdir -p /tmp/crypt/prbit/public

sudo chown root:root /tmp/crypt/prbit /tmp/crypt/prbit/public

pouzijem setfacl na custom access pre group

sudo setfacl -m g:studenti:--- /tmp/crypt/prbit

sudo setfacl -m g:student:rx /tmp/crypt/prbit/public

dalej test.log

sudo touch /var/log/test.log

sudo chown root:root /var/log/test.log

sudo chmod 600 /var/log/test.log

admin prava:  
sudo setfacl -m u:admin:r /var/log/test.log

append only:  
sudo chattr +a /var/log/test.log