```
Last login: Thu Apr  7 01:30:46 on ttys000
MES20s-Mac-mini:~ mca$ cd desktop
MES20s-Mac-mini:desktop mca$ cd college
MES20s-Mac-mini:college mca$ ls
mca
MES20s-Mac-mini:college mca$ cd mca
MES20s-Mac-mini:mca mca$ ls
s1      s2      s3      s4
MES20s-Mac-mini:mca mca$ cd s1
MES20s-Mac-mini:s1 mca$ ls
s1.txt
MES20s-Mac-mini:s1 mca$ cp s1.txt
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvX] source_file target_file
       cp [-R [-H | -L | -P]] [-fi | -n] [-apvX] source_file ... target_directory
MES20s-Mac-mini:s1 mca$ cp s1.txt my.txt
MES20s-Mac-mini:s1 mca$ mv my.txt mi.txt
MES20s-Mac-mini:s1 mca$ mkdir ar
MES20s-Mac-mini:s1 mca$ rm ar
rm: ar: is a directory
MES20s-Mac-mini:s1 mca$ rmkdir ar
-bash: rmkdir: command not found
MES20s-Mac-mini:s1 mca$ rmdir ar
MES20s-Mac-mini:s1 mca$ mv
usage: mv [-f | -i | -n] [-v] source target
       mv [-f | -i | -n] [-v] source ... directory
MES20s-Mac-mini:s1 mca$ cut -b 1,2,3 s1.txt
sub
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ASE
ADS
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web
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MES20s-Mac-mini:s1 mca$ cut -b 1-6 s1.txt
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MES20s-Mac-mini:s1 mca$ grep "s" s1.txt
subjects
maths
MES20s-Mac-mini:s1 mca$
MES20s-Mac-mini:s1 mca$ cut -b 1-3,5-7 s1.txt
subect
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MES20s-Mac-mini:s1 mca$ vi mi.txt
MES20s-Mac-mini:s1 mca$ vi mi.txt
MES20s-Mac-mini:s1 mca$ cat mi.txt
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subjects
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Data Structure
There was one limitation in the array implementation of Queue. If the rear reaches to the end position of the Queue then there might be possibility that some vacant spaces are left in the beginning which cannot be utilized. S
o, to overcome such limitations, the concept of the circular queue was introduced

MES20s-Mac-mini:s1 mca$ head mi.txt
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MES20s-Mac-mini:s1 mca$ tail mi.txt


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MES20s-Mac-mini:s1 mca$ chmode a+x mi.txt
-bash: chmode: command not found
MES20s-Mac-mini:s1 mca$ chmod a+x mi.txt
MES20s-Mac-mini:s1 mca$ chmod a-r mi.txt
MES20s-Mac-mini:s1 mca$ cat mi.txt
cat: mi.txt: Permission denied
MES20s-Mac-mini:s1 mca$ chmod u+w  mi.txt
MES20s-Mac-mini:s1 mca$ cat mi.txt
cat: mi.txt: Permission denied
MES20s-Mac-mini:s1 mca$ chmod a+x mi.txt
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