UNIX ASSIGNMENT

1. Assignment 1

```
Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Un
ix Assignment (main)
$ mkdir student_records

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment (main)
$ cd student_records

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ touch stud1.txt stud2.txt stud3.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "101 Rahul 85" > stud1.txt
echo "102 Anita 90" > stud2.txt
echo "103 Ravi 78" > stud3.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ ^[[200~cat stud1.txt
bash: $'\E[200~cat': command not found

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ cat stud2.txt
102 Anita 90

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ cat stud3.txt
103 Ravi 78

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "201 Sita 88" >> stud1.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "202 Amit 92" >> stud2.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "202 Hari 92" >> stud3.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ cat stud1.txt
101 Rahul 85
201 Sita 88

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ cat stud2.txt
102 Anita 90
202 Amit 92

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ cat stud3.txt
103 Ravi 78
202 Hari 92
```

2. Assignment 2

```
Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ touch report.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ chmod u=rw,g=r,o= report.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ chmod 640 report.txt

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ ls -l report.txt
-rw-r--r-- 1 Harikrishnan 197609 0 Jan 15 18:17 report.txt
```

3. Assignment 3

```
Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ touch calc.sh

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ #!/bin/bash

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "Enter first number:"
Enter first number:

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ read a
10

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "Enter second number:"
Enter second number:

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ read b
5

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ echo "Enter operator (+ - * /):"
Enter operator (+ - * /):

Harikrishnan@Harikrishnan MINGW64 ~/Desktop/Java-UST/Java_Assignments_UST/src/Unix Assignment/student_records (main)
$ read op
case $op in
+ ) echo "Result: $((a+b))" ;;
- ) echo "Result: $((a-b))" ;;
* ) echo "Result: $((a*b))" ;;
/ ) echo "Result: $((a/b))" ;;
* ) echo "Invalid operator" ;;
esac
```