SRE TRAINING (DAY 8) - SHELL SCRIPTING

DATA STRUCTURES (ARRAYS)

Arrays in shell scripting, like other programming languages, store multiple values in a single variable.

SCRIPT-1 - STORING DATA IN AN ARRAY AND PRINTING

```
a[0]="Rhea"
a[1]="Rebecca"
a[2]="Robinson"
fullname="${a[0]} ${a[1]} ${a[2]}_
echo "Hi, $fullname!"
```

root@RheaAlisha:/mnt/c/mthree_practice# ./arrays.sh Hi, Rhea Rebecca Robinson!

SCRIPT-2 - BANK ACCOUNT (CONDITIONAL STATEMENT IF)

root@RheaAlisha:/mnt/c/mthree_practice# ./balance.sh
Withdrawn amount is not 1000
Transaction not approved
Customer is valuable to the bank
Customer is valuable to the bank
This is a saving account
Description is not provided

```
read -p "Enter the first number (a): " a read -p "Enter the second number (b): " b read -p "Enter a string: " str
((c += b))
echo "After c += b, c = $c"
root@RheaAlisha:/mnt/c/mthree practice# ./operators.sh
Enter the first number (a): 20
Enter the second number (b): 45
Enter a string: Rhea
Arithmetic Operator (Addition):
20 + 45 = 65
Relational Operator (Greater Than):
20 is not greater than 45
Logical Operator (AND):
Both 20 and 45 are positive numbers.
Assignment Operator (+=):
After c += b, c = 65
String Operator (-z: Check if string is empty):
```

The string is not empty.

SCRIPT-5 - PASSWORDS (REGEX)

```
root@RheaAlisha:/mnt/c/mthree_practice# ./password.sh
Enter your password: Password is invalid.
Requirements:
- At least 8 characters
- At least one uppercase letter
- At least one lowercase letter
- At least one digit
- At least one special character (@, #, $, %, &, *)
root@RheaAlisha:/mnt/c/mthree_practice#
```

BREAKOUT ROOM ACTIVITY -> REAL-TIME CALCULATOR (CASES)