

1. Code checks if "Result" directory is present or not. If not present it creates using mkdir new "Result" directory.

2. While loop reads each line from "input.txt" and IFS works as a separator splits x , y and operator.

3. Case statement which operation has to be performed to x and y:

a. If "xor" it calculates the XOR for x and y and assigns to result.

b. If "product" it calculates the PRODUCT for x and y and assigns to result.

c. If "compare" it checks which of x or y is greater and assigns greater value to result.

4. Now code writes output in "output.txt" in "Result" directory with given format in question using echo.

5. While loop ends with done and tells that it should read lines from the "input.txt" file as the source of input for the loop.