

Assignment 2 -OS

Question 11

Saturday, March 1, 2025 7:22 PM

Write a shell script that uses a while loop to read numbers from the user until the user enters a negative number. For each positive number entered, print its square. Use the break statement to exit the loop when a negative number is entered.

```
cdac@DESKTOP-4UCUGOV:~$ while true; do
> read -p "Enter a number: " num
>
> if ((num < 0)); then
> break
> fi
>
> square=$((num * num))
> echo "Then square of $num is $square"
> done
Enter a number: 23
Then square of 23 is 529
Enter a number: 45
Then square of 45 is 2025
Enter a number: 22
Then square of 22 is 484
Enter a number: 99
Then square of 99 is 9801
Enter a number: 10000
Then square of 10000 is 100000000
Enter a number: ^C
```

```
cdac@DESKTOP-4UCUGOV:~$ while true; do
> read -p "Enter a number: " num
>
> if ((num < 0)); then
> break
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```