# Assignment-9

1. Write a shell script using if…else to check if a number is even or odd ?

Answers->

* ┌──(kumya㉿sonic)-[~]

└─$ kwrite even\_odd.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash even\_odd.sh

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1. Explain the difference between if and case statements in bash. ?

Answer->

* IF STATEMENTS
* ┌──(kumya㉿sonic)-[~]

└─$ kwrite if.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash if.sh

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* CASE STATEMENT
* ┌──(kumya㉿sonic)-[~]

└─$ kwrite case.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash case.sh

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1. Write a script to find the largest of three numbers entered by the user. ?

Answer->

* ┌──(kumya㉿sonic)-[~]

└─$ kwrite largest\_no.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash largest\_no.sh

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1. How do you use a for loop to traverse an array in bash? Give an example. The array is defined as arr=(123, “Abs”, -2.3, ‘A’, 23.56, 0). ?

Answer->

* ┌──(kumya㉿sonic)-[~]

└─$ kwrite arr.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash arr.sh

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1. Write a shell script to loop through all files in the current directory and display their names. ?

Answer->

* ┌──(kumya㉿sonic)-[~]

└─$ kwrite file.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash file.sh

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1. What is the difference between while and until loops in bash ?

Answer->

* WHILE
* ┌──(kumya㉿sonic)-[~]

└─$ kwrite while.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash while.sh

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* UNTIL
* ┌──(kumya㉿sonic)-[~]

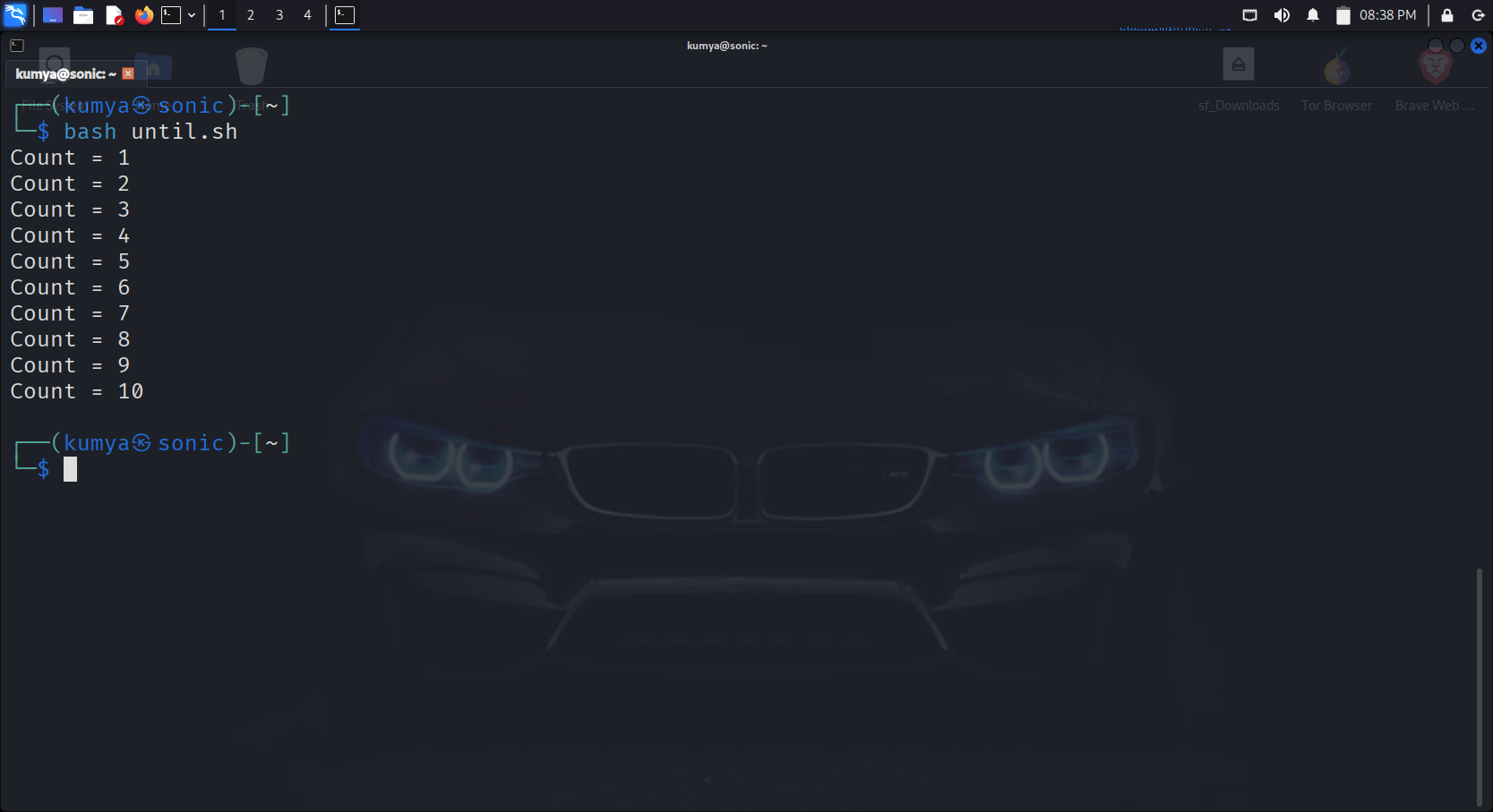
└─$ kwrite until.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash until.sh



1. Write a countdown timer script using a while loop. ?

Answer->

* ┌──(kumya㉿sonic)-[~]

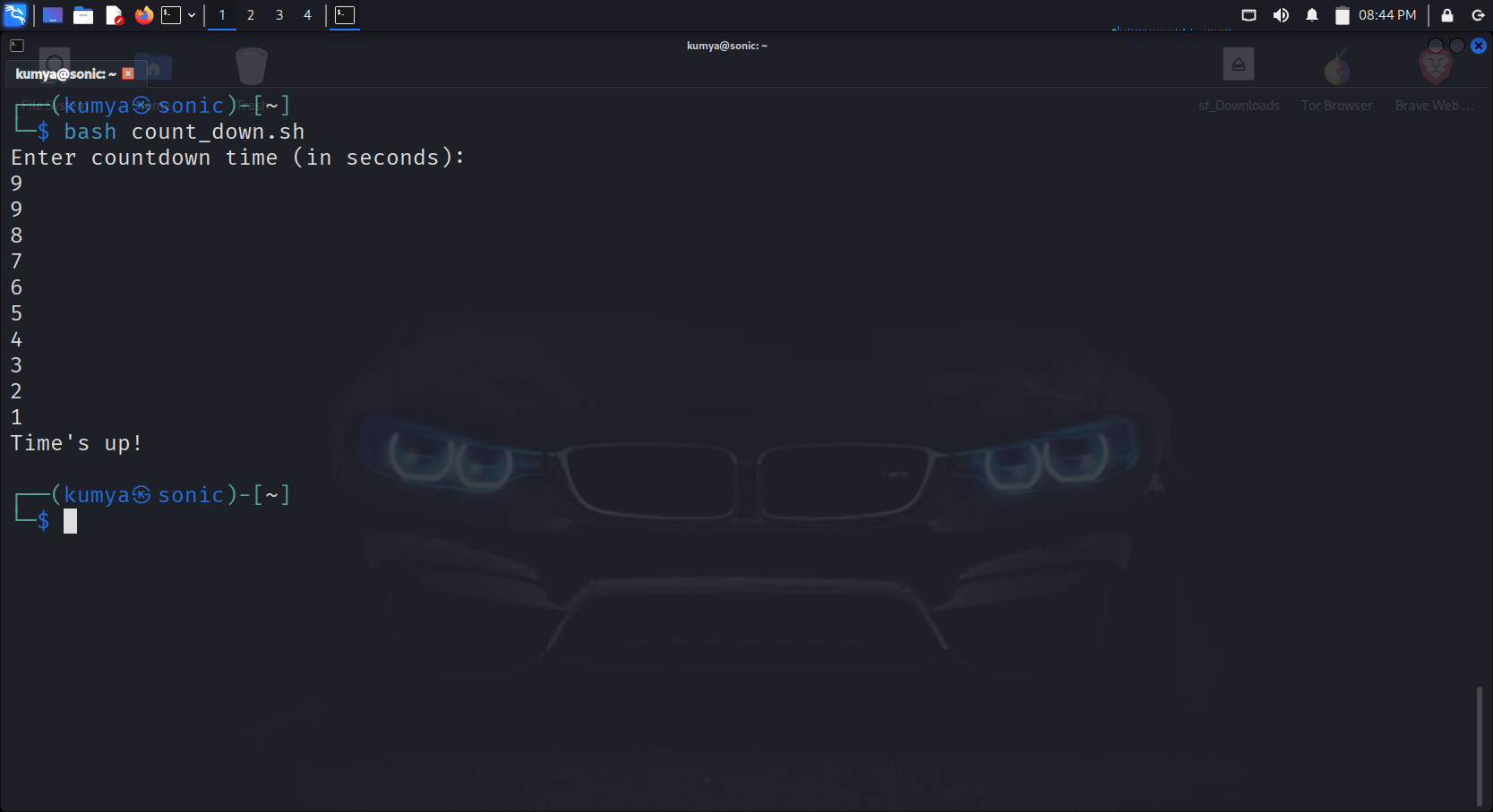
└─$ kwrite count\_down.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash count\_down.sh



1. How do you use break and continue statements in loops? Give examples. ?

Answer->

* In Bash, **break** and **continue** statements are used to control the flow of loops such as for, while, and until.
* ->BREAK
* ┌──(kumya㉿sonic)-[~]

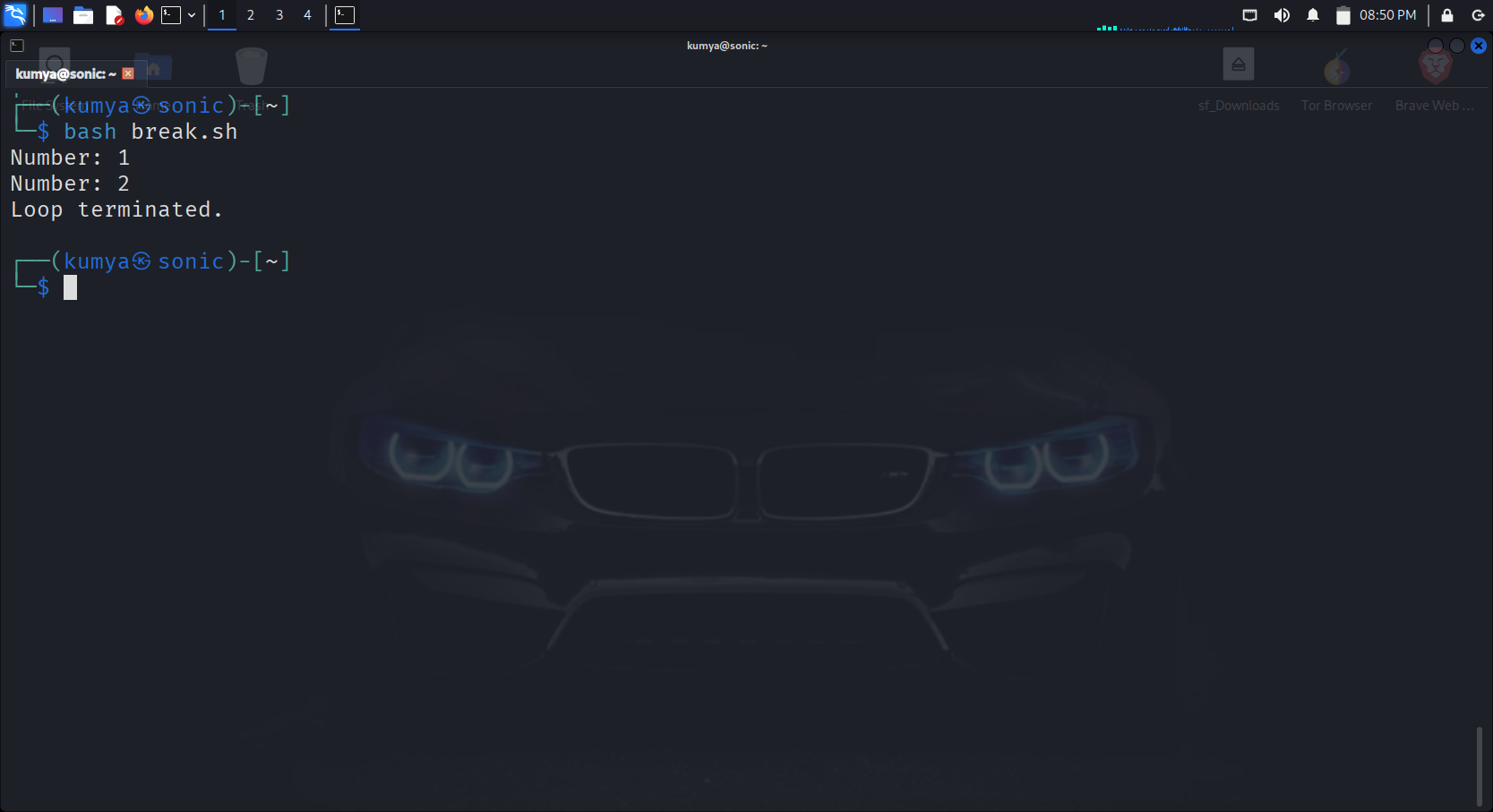
└─$ kwrite break.sh

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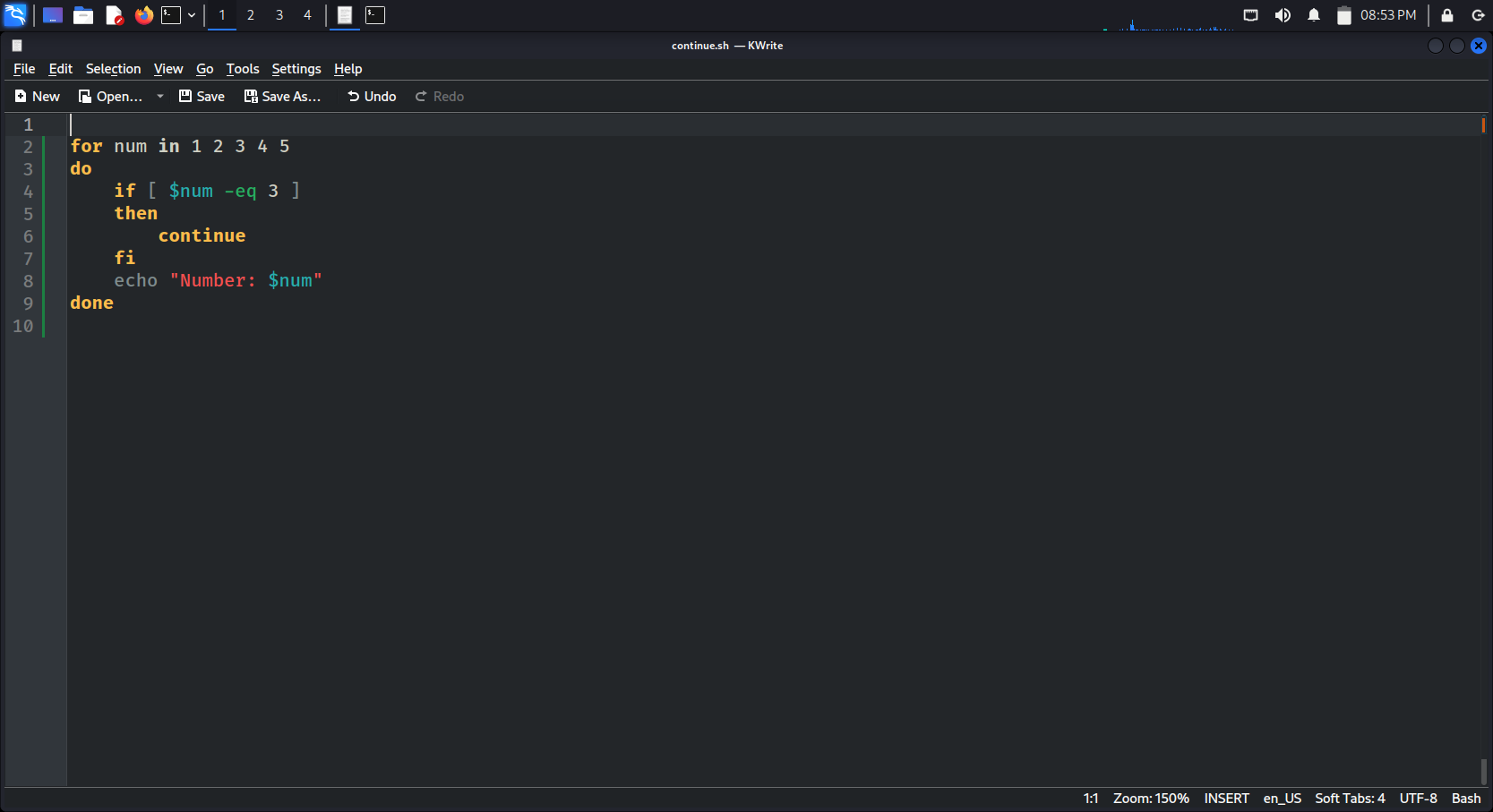
* ┌──(kumya㉿sonic)-[~]

└─$ bash break.sh



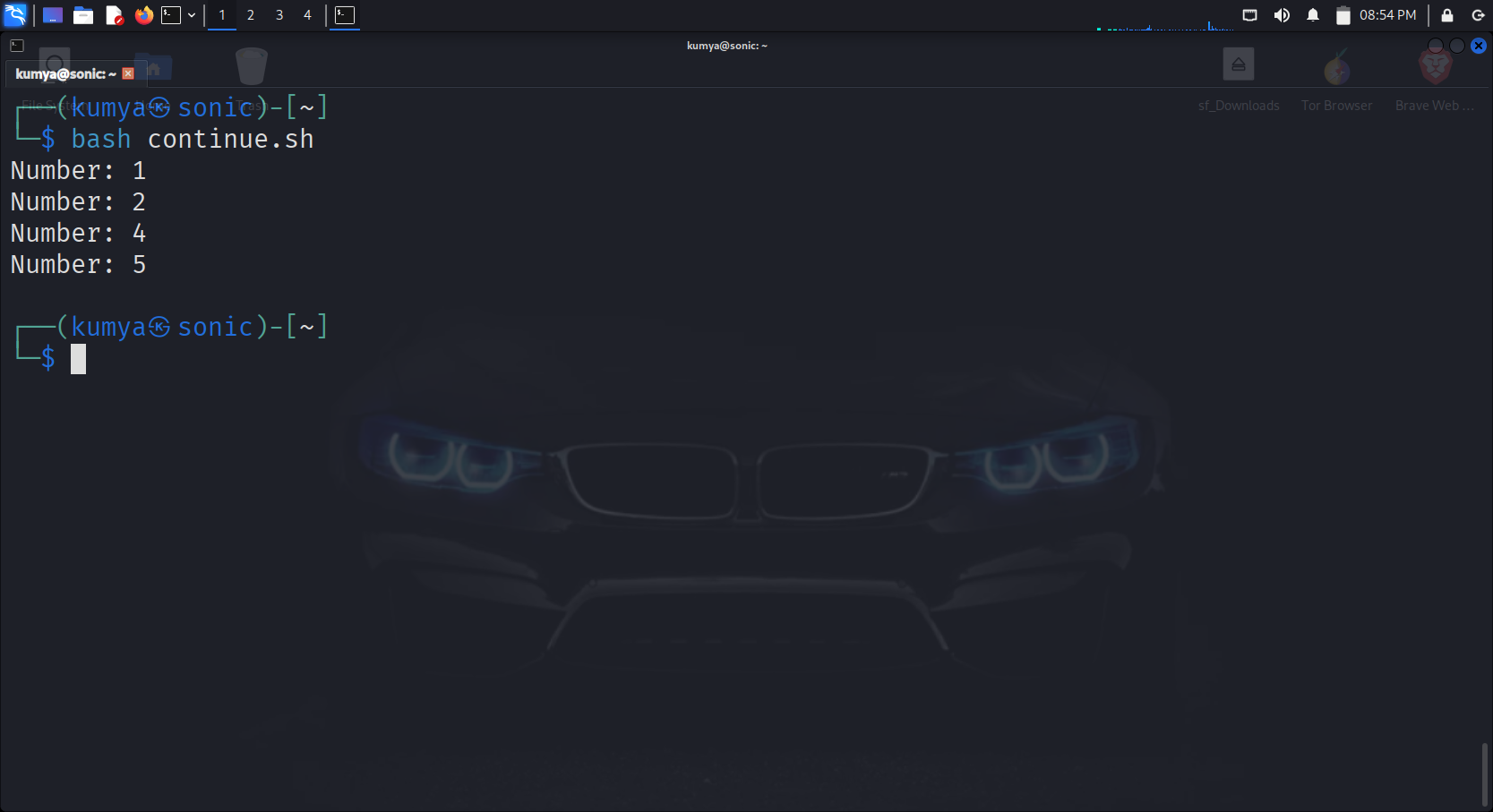
* CONTINUE->
* ┌──(kumya㉿sonic)-[~]

└─$ kwrite continue.sh



* ┌──(kumya㉿sonic)-[~]

└─$ bash continue.sh



1. Write a script to check if a file exists or not using the if and else loop ?

Answer->

* ┌──(kumya㉿sonic)-[~]

└─$ kwrite file\_exists.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash file\_exists.sh

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1. Write a script to calculate factorial of a number using for loop ?

Answer->

* ┌──(kumya㉿sonic)-[~]

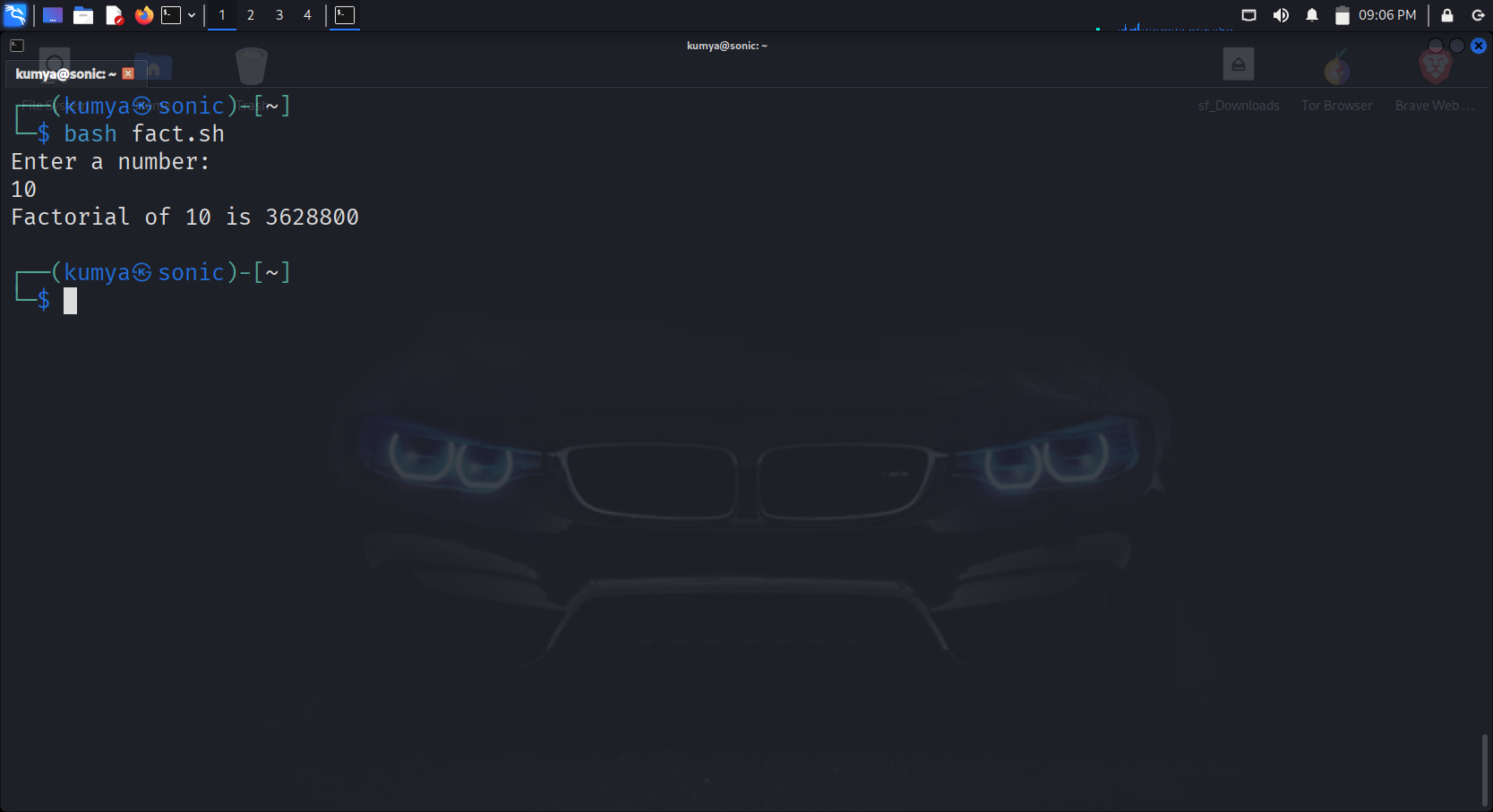
└─$ kwrite fact.sh

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* ┌──(kumya㉿sonic)-[~]

└─$ bash fact.sh



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