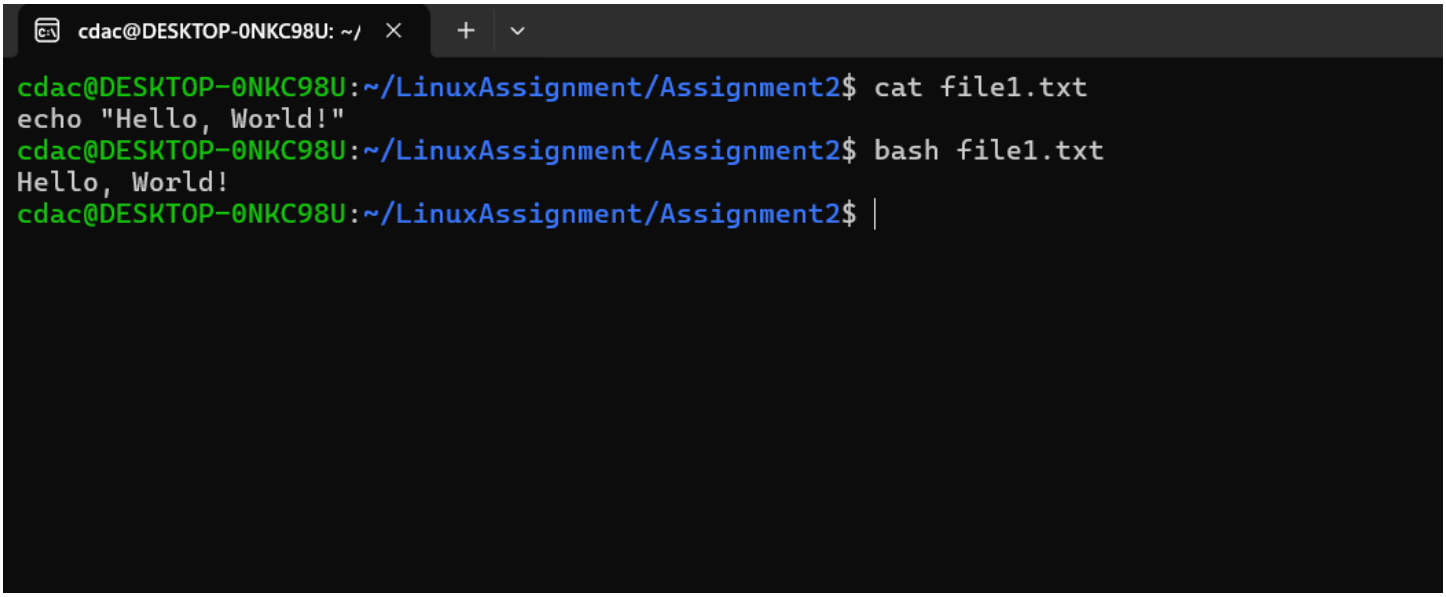
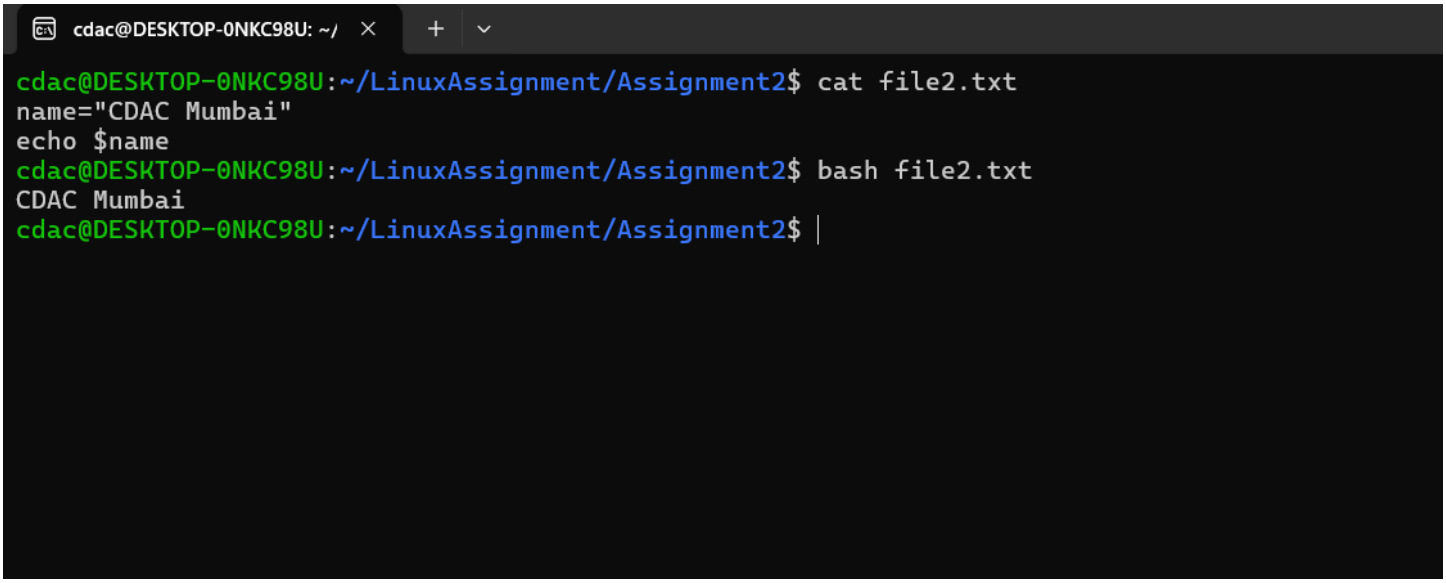
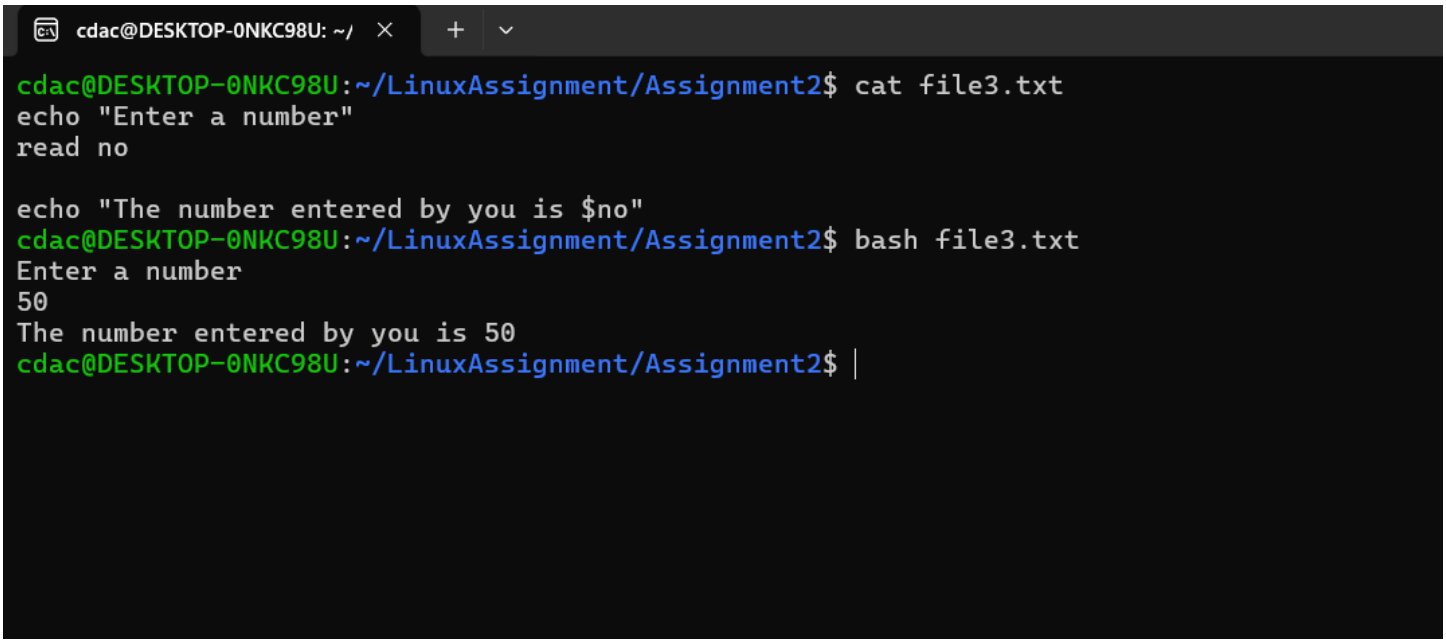
Question 1: Write a shell script that prints "Hello, World!" to the terminal.



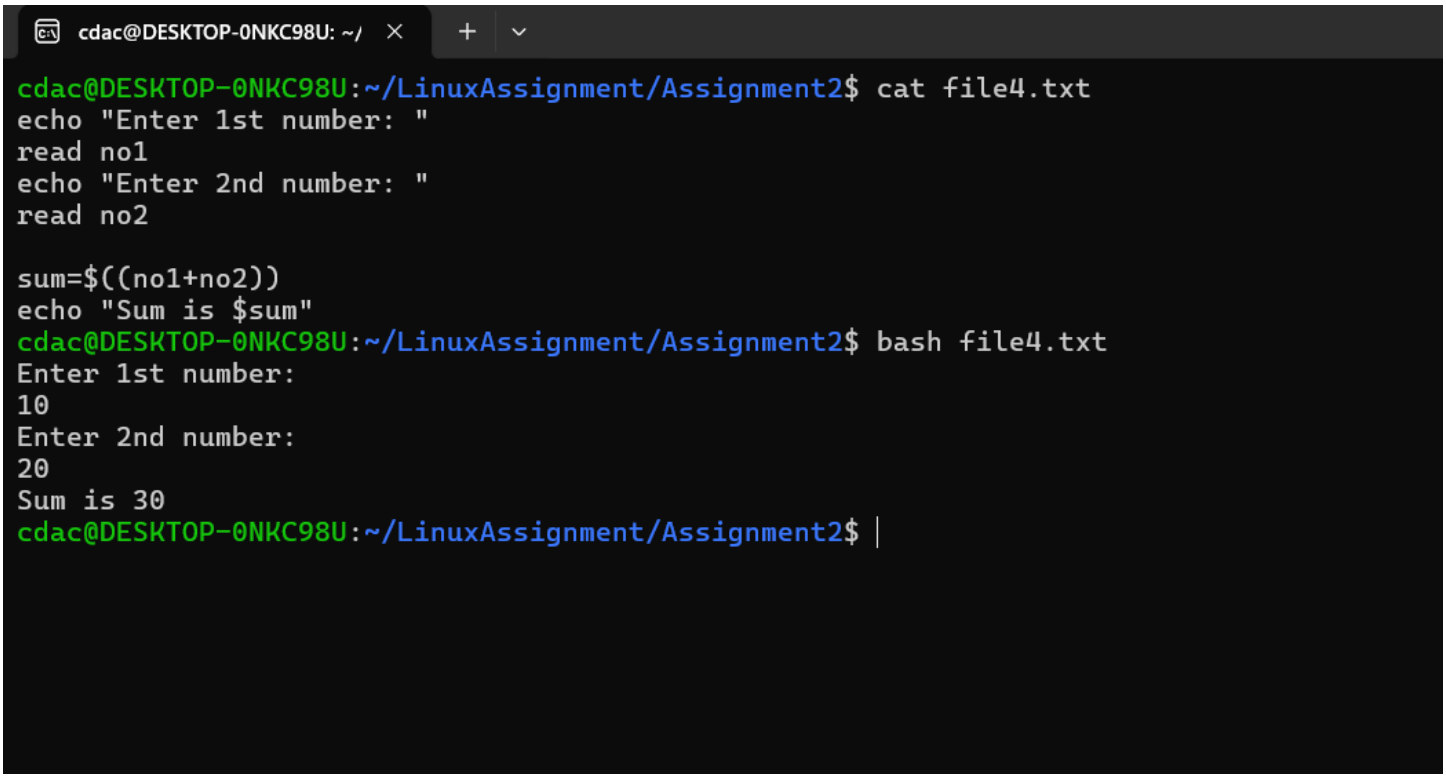
Question 2: Declare a variable named "name" and assign the value "CDAC Mumbai" to it. Print the value of the variable.



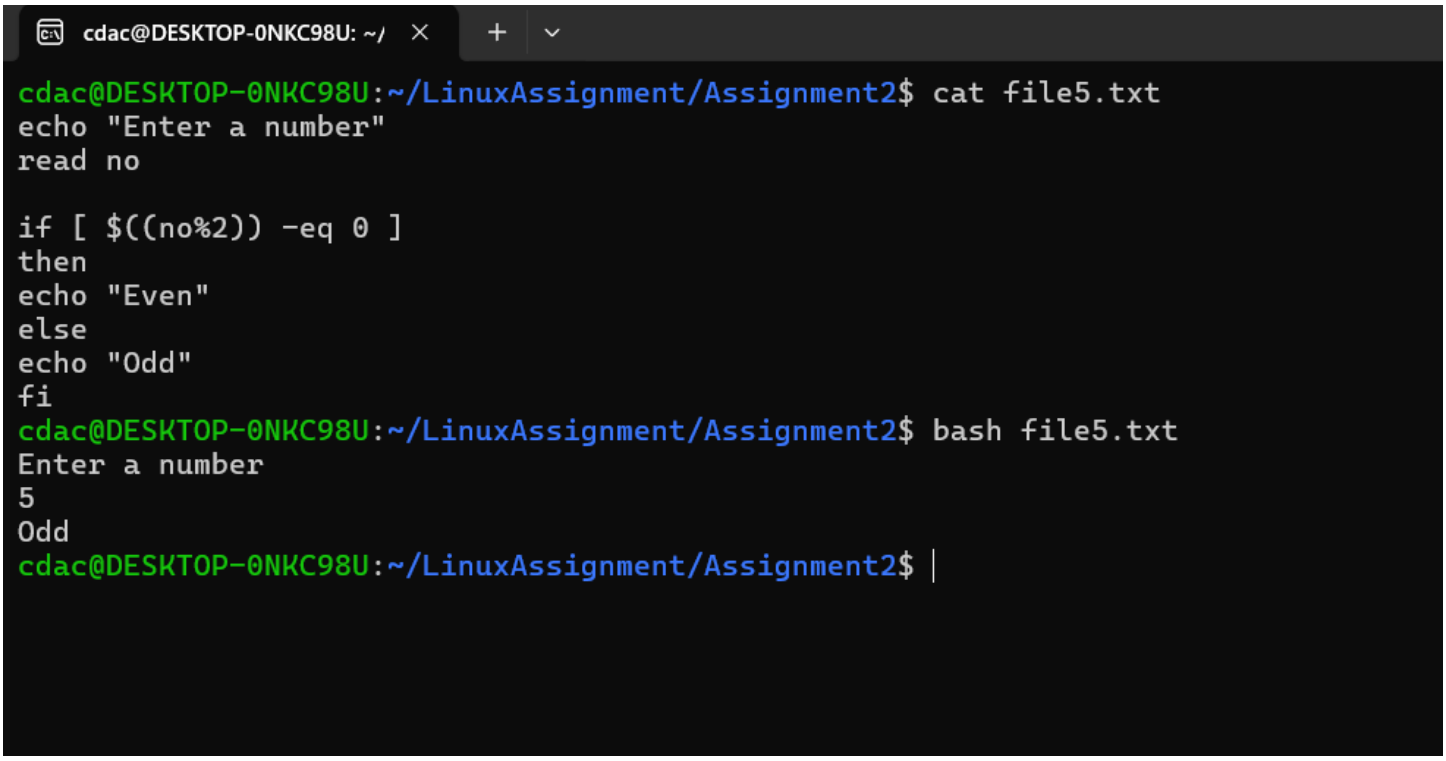
Question 3: Write a shell script that takes a number as input from the user and prints it.



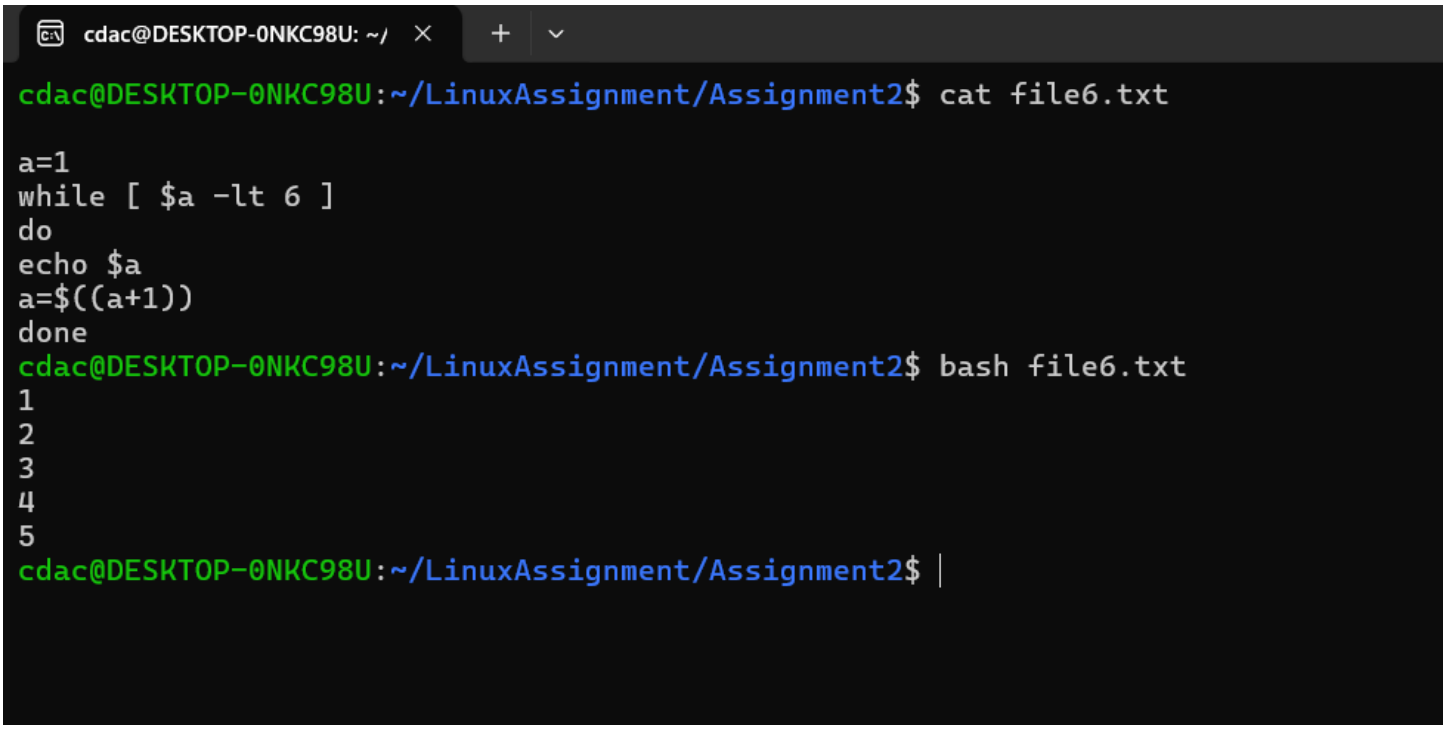
Question 4: Write a shell script that performs addition of two numbers (e.g., 5 and 3) and prints the result



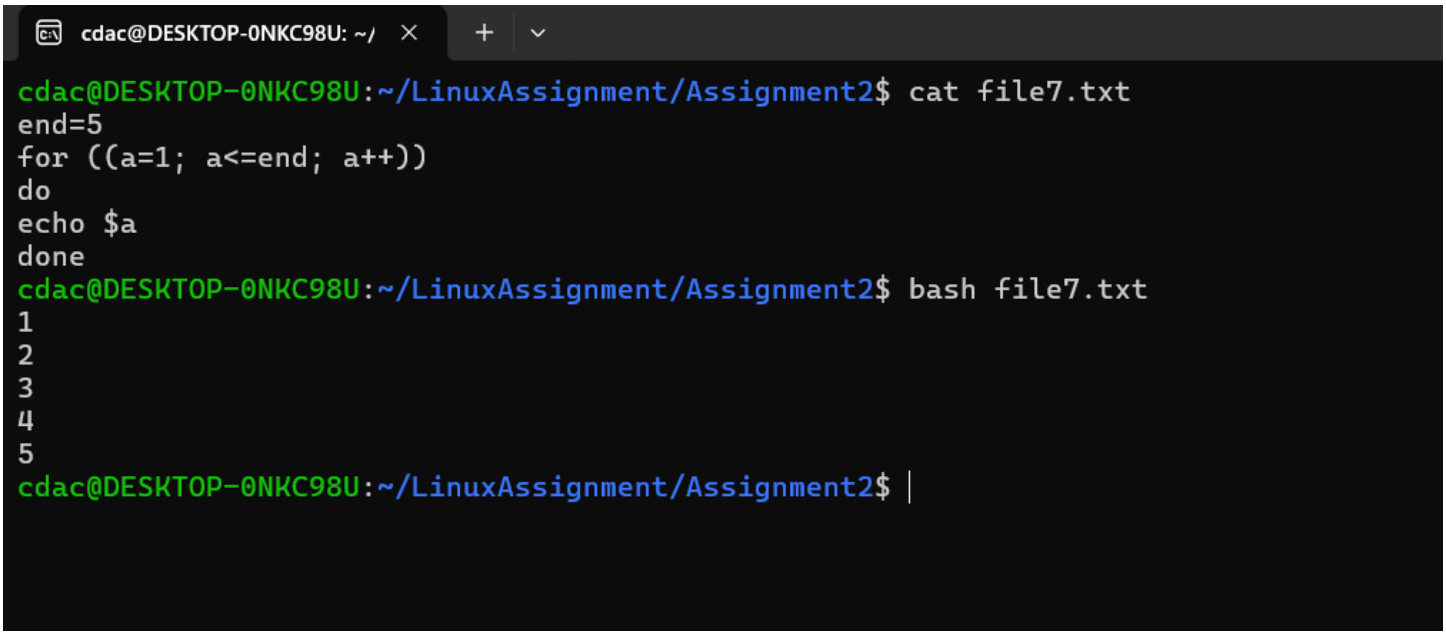
Question 5: Write a shell script that takes a number as input and prints "Even" if it is even, otherwise prints "Odd".



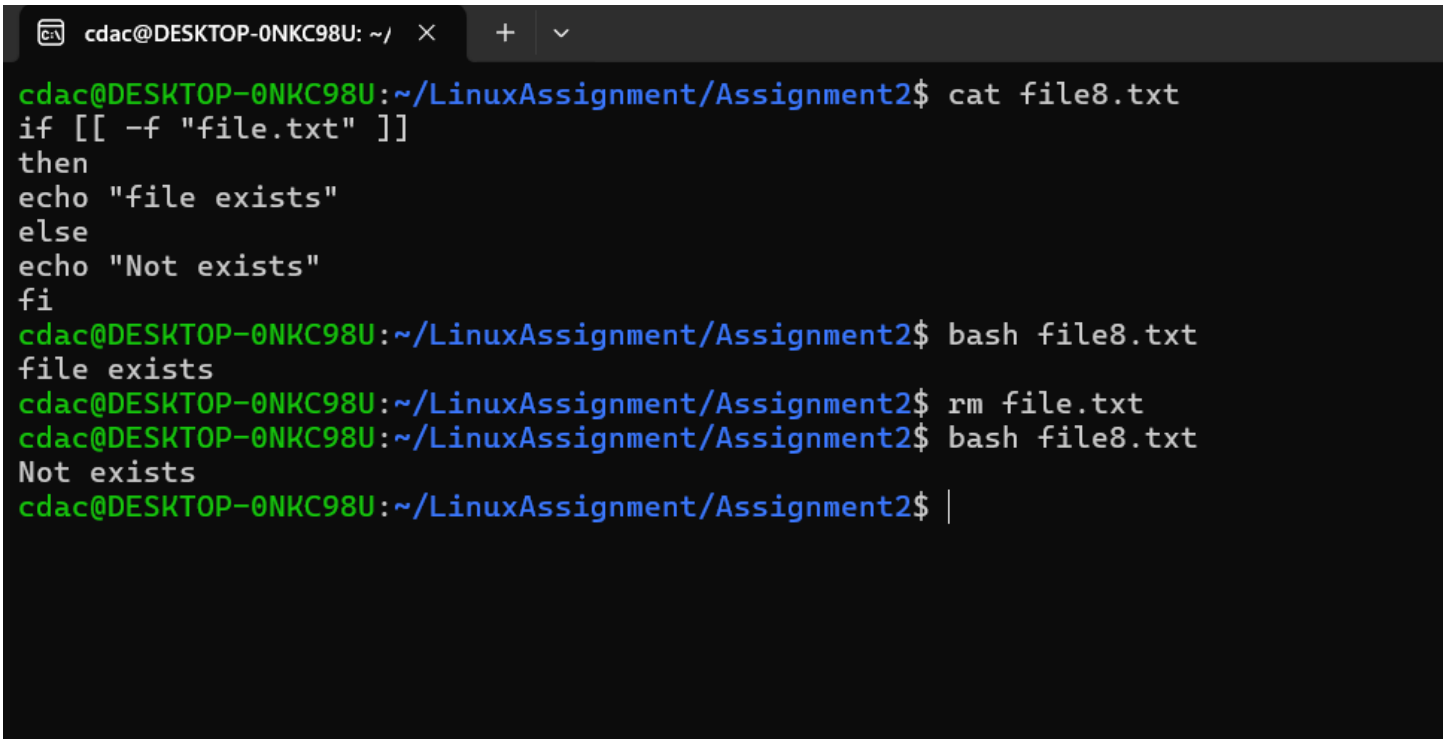
Question 6: Write a shell script that uses a for loop to print numbers from 1 to 5. Question



7: Write a shell script that uses a while loop to print numbers from 1 to 5. Question



8: Write a shell script that checks if a file named "file.txt" exists in the current directory. If it does, print "File exists", otherwise, print "File does not exist".



Question 9: Write a shell script that uses the if statement to check if a number is greater than 10 and prints a message accordingly.

```
cdac@DESKTOP-0NKC98U: ~/
cdac@DESKTOP-0NKC98U:~/LinuxAssignment/Assignment2$ cat file9.txt
echo "Enter a number"
read no

if [ $no -lt 10 ]
then
echo "$no is smaller"
else
echo "$no is greater"
fi
cdac@DESKTOP-0NKC98U:~/LinuxAssignment/Assignment2$ bash file9.txt
Enter a number
5
5 is smaller
cdac@DESKTOP-0NKC98U:~/LinuxAssignment/Assignment2$
```

Question 10: Write a shell script that uses nested for loops to print a multiplication table for numbers from 1 to 5. The output should be formatted nicely, with each row representing a number and each column representing the multiplication result for that number

```
cdac@DESKTOP-0NKC98U: ~/
cdac@DESKTOP-0NKC98U:~/LinuxAssignment/Assignment2$ cat file10.txt

for i in {1..5}
do
for j in {1..10}
do
p=$((i*j))
printf "%d " $p
done
echo
done
cdac@DESKTOP-0NKC98U:~/LinuxAssignment/Assignment2$ bash file10.txt
1 2 3 4 5 6 7 8 9 10
2 4 6 8 10 12 14 16 18 20
3 6 9 12 15 18 21 24 27 30
4 8 12 16 20 24 28 32 36 40
5 10 15 20 25 30 35 40 45 50
cdac@DESKTOP-0NKC98U:~/LinuxAssignment/Assignment2$
```

Question 11: 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.