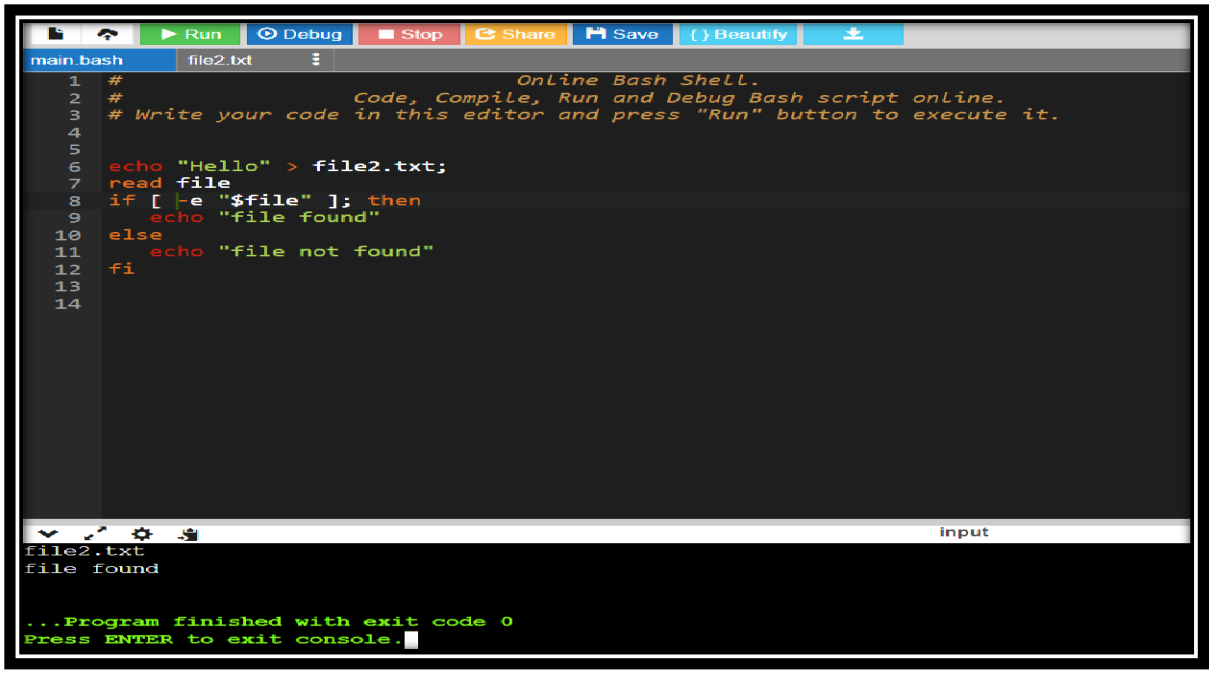
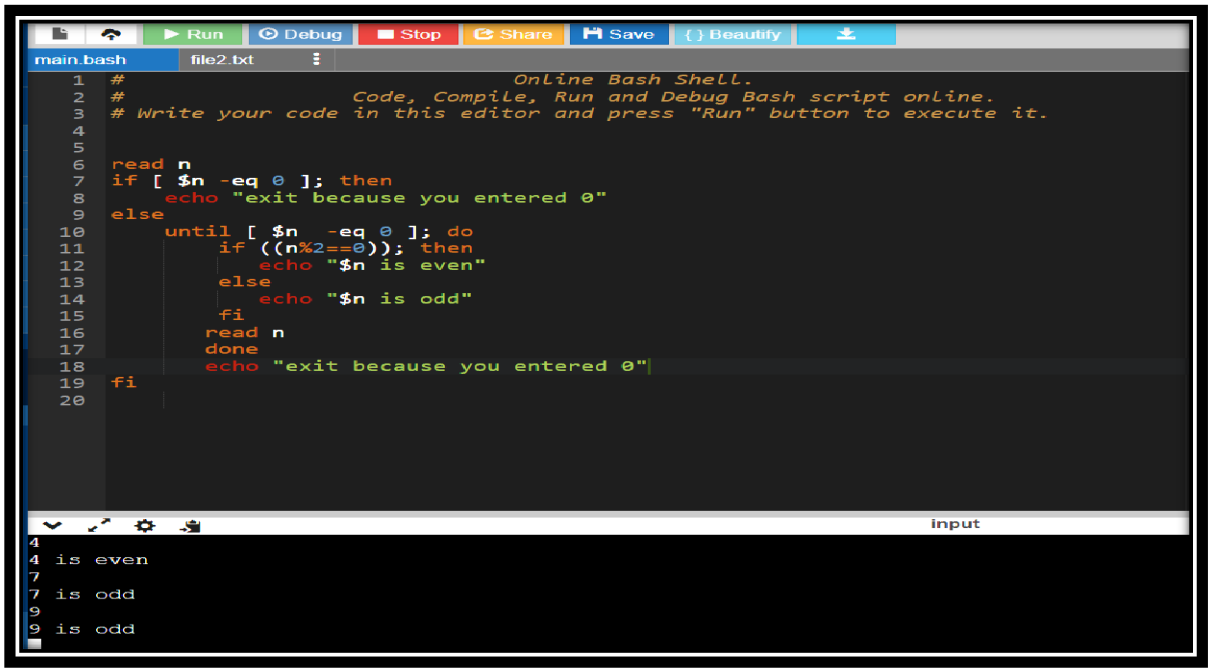
1) Ensure the script checks if a specific file (e.g., myfile.txt) exists in the current directory. Ifit exists, print "File exists", otherwise print "File not found".

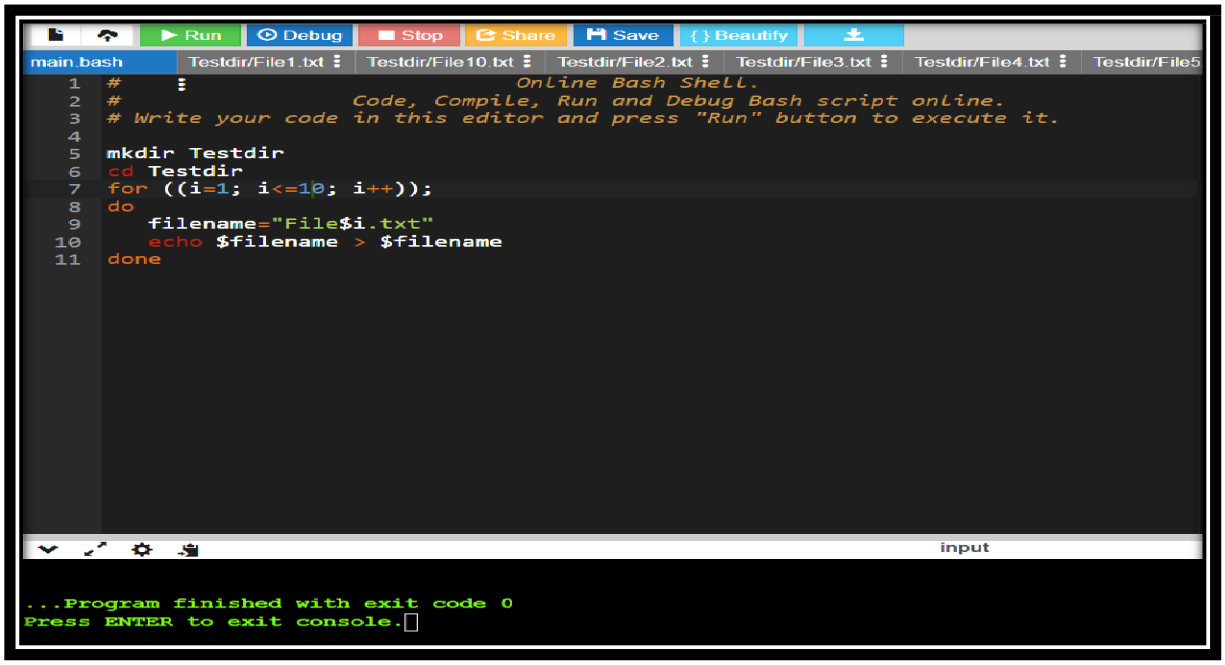


2) Write a script that reads numbers from the user until they enter '0'. The script should alsoprint whether each number is odd or even.

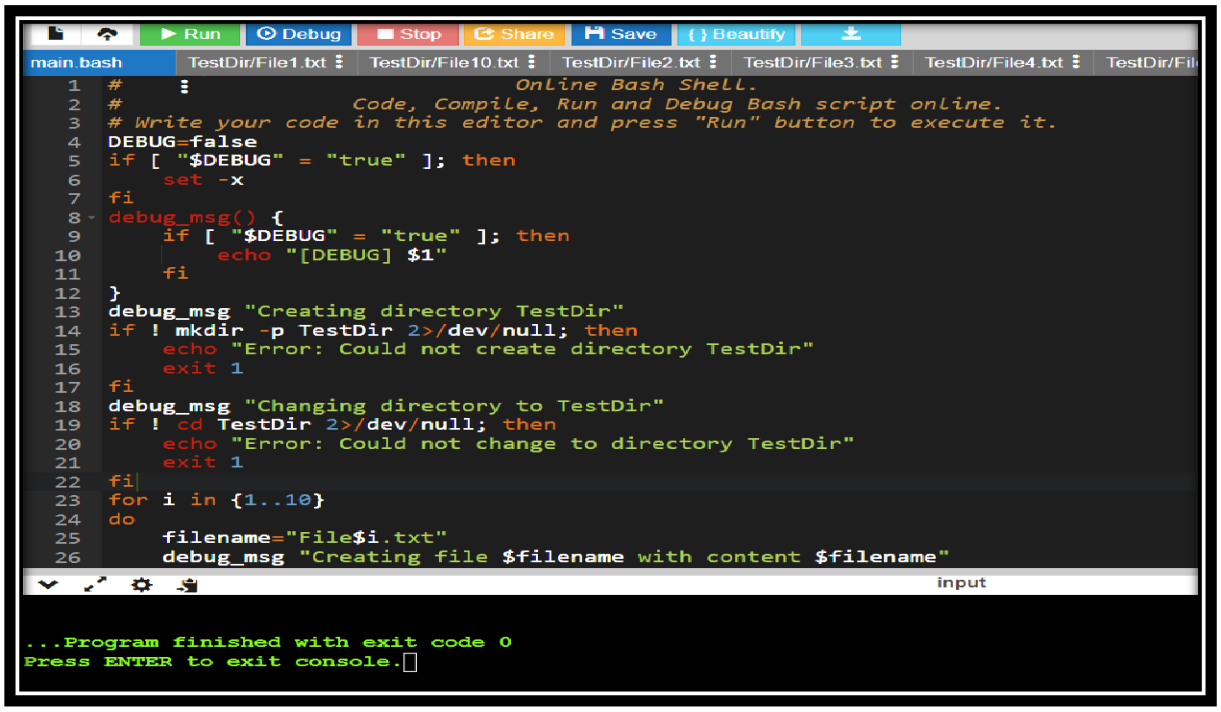


3) Create a function that takes a filename as an argument and prints the number of lines inthe file. Call this function from your script with different filenames.

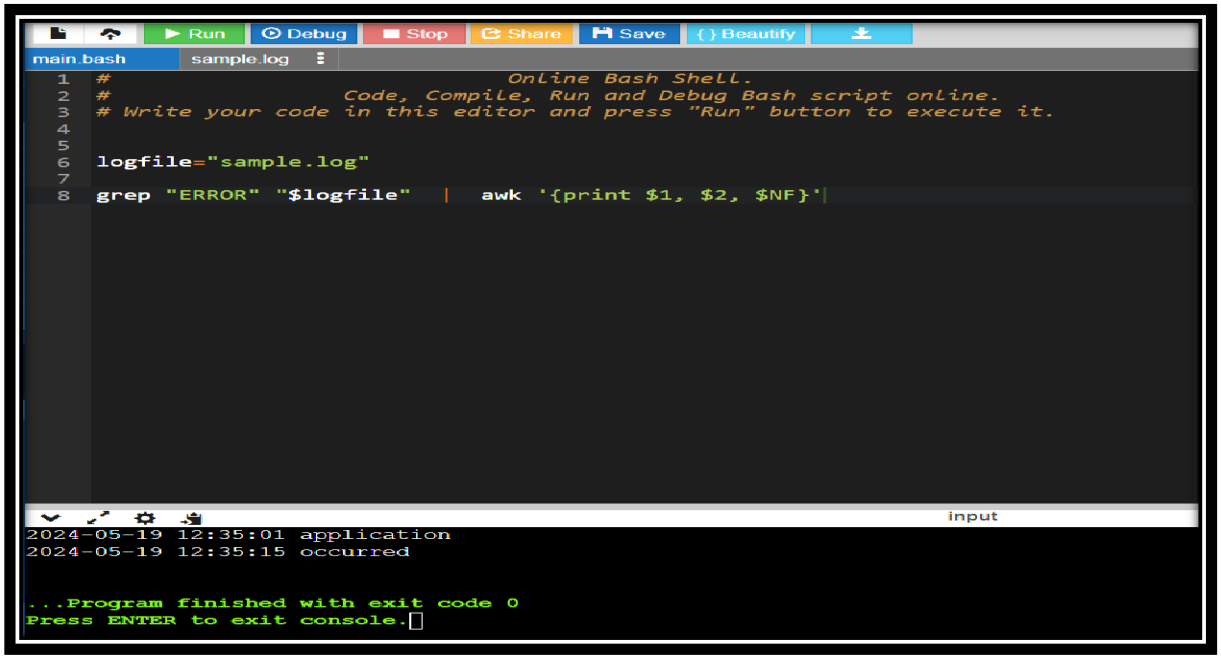
4) Write a script that creates a directory named TestDir and inside it, creates ten files namedFile1.txt, File2.txt, ... File10.txt. Each file should contain its filename as its content (e.g., File1.txt contains "File1.txt").



5) Modify the script to handle errors, such as the directory already existing or lacking permissions to create files. Add a debugging mode that prints additional information when enabled.



6) Given a sample log file, write a script using grep to extract all lines containing "ERROR".Use awk to print the date, time, and error message of each extracted line.



7) Create a script that takes a text file and replaces all occurrences of "old_text" with"new_text". Use sed to perform this operation and output the result to a new file.