RPS DAY 4 Assignment

Assignment 1

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Batch - CPPE

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

Step1: Create a file using the touch command

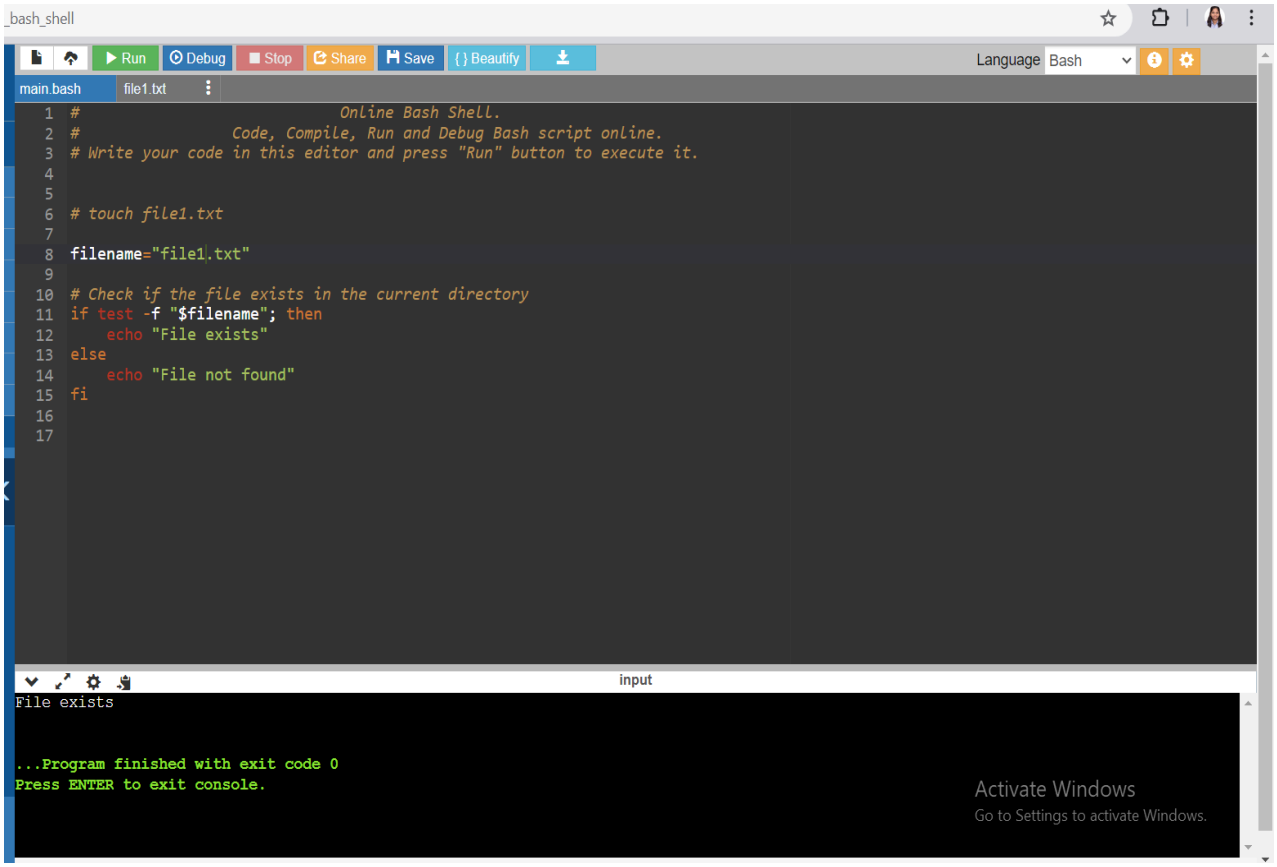
```
touch file1.txt
```

Step2: create one variable and store the filename in that

```
filename="file1.txt"
```

Step3: Check if the file exists in the current directory

```
if test -f "$filename"; then
    echo "File exists"
else
    echo "File not found"
fi
```



Assignment 2

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

#Step1:Write a Function to check if a number is odd or even

```
#!/bin/bash
check_odd_even() {
   local number=$1
   if (( number % 2 == 0 )); then
      echo "The number $number is even."
   else
      echo "The number $number is odd."
   fi
}
```

#Step2: Create an Infinite loop to read numbers from the user

```
while true; do
```

#Step3: Read a number from the user

```
   read -p "Enter a number (0 to stop): " number
```

#Step4: Check if the user entered 0

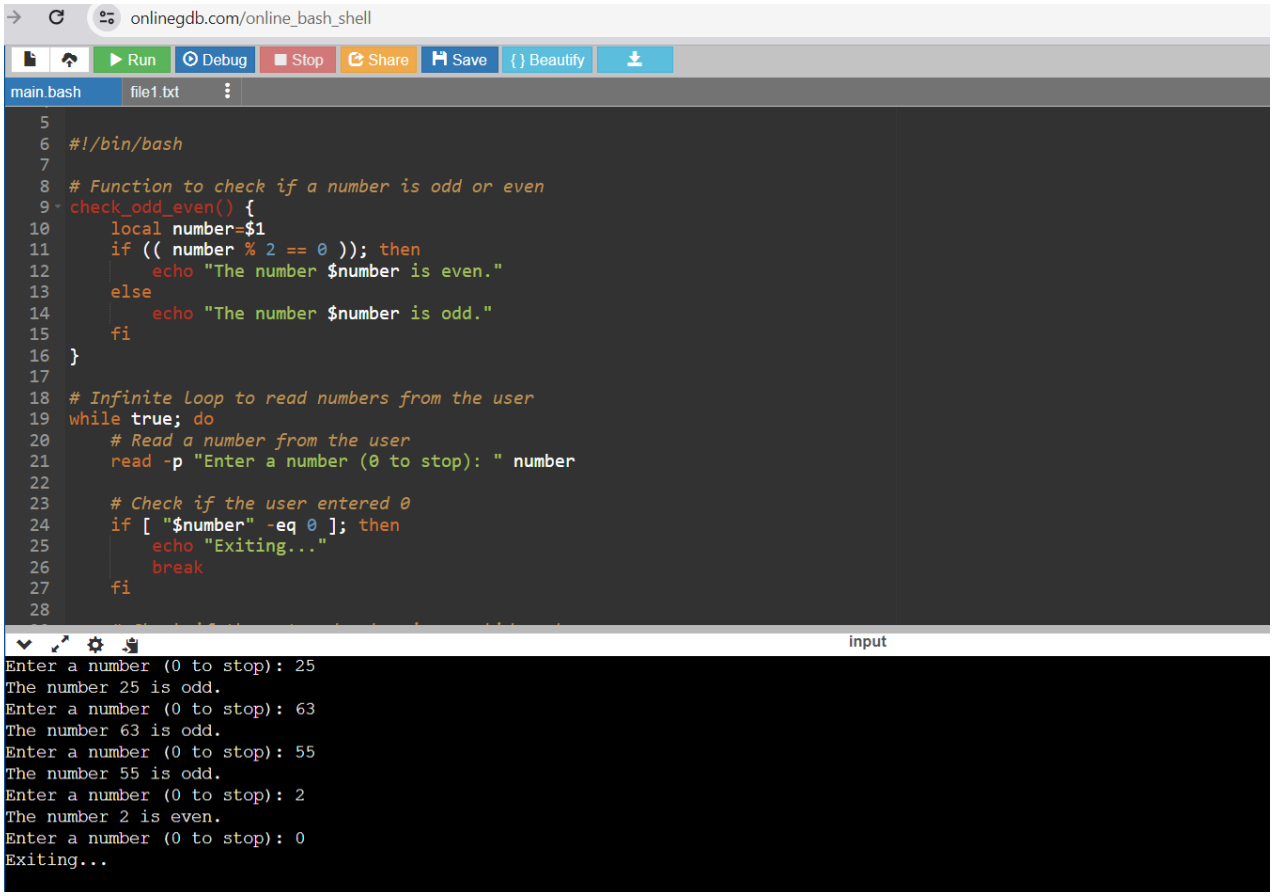
```
   if [ "$number" -eq 0 ]; then
      echo "Exiting..."
      break
   fi
```

#Step5: Check if the entered value is a valid number

```
   if ! [[ "$number" =~ ^-?[0-9]+$ ]]; then
      echo "Invalid input. Please enter a valid number."
      continue
   fi
```

#Step6:Call the function to check if the number is odd or even

```
   check_odd_even $number
done
```


onlinegdb.com/online_bash_shell
Run
Debug
Stop
Share
Save
{ } Beautify
main.bash
file1.txt
#!/bin/bash
# Function to check if a number is odd or even
check_odd_even() {
local number=$1
if ((number % 2 == 0)); then
echo "The number $number is even."
else
echo "The number $number is odd."
fi
}
# Infinite Loop to read numbers from the user
while true; do
# Read a number from the user
read -p "Enter a number (0 to stop): " number
# Check if the user entered 0
if ["$number" -eq 0]; then
echo "Exiting..."
break
fi
input
Enter a number (0 to stop): 25
The number 25 is odd.
Enter a number (0 to stop): 63
The number 63 is odd.
Enter a number (0 to stop): 55
The number 55 is odd.
Enter a number (0 to stop): 2
The number 2 is even.
Enter a number (0 to stop): 0
Exiting...