

Assignment 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.

```
read n

if [ $n -eq 0 ]; then

    echo "exit because you entered 0 "

else

    until [ $n -eq 0 ]; do

        if (($n%2==0)); then

            echo "$n is even"

        else

            echo "$n is odd"


        fi

        read n

    done

    echo "exit because you entered 0"

fi
```



The screenshot shows a web-based IDE interface for GDB Online. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to Bash. The editor displays a script with 20 lines of code, including comments and logic for reading numbers and checking if they are even or odd. The output window at the bottom shows the script's execution: it prints '4 is even', then '7 is odd', and finally 'exit because you entered 0' when the user enters '0'.

```
1 #
2 # Welcome to GDB Online.
3 # GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
4 # C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
5 # Code, Compile, Run and Debug online from anywhere in world.
6 #
7 read n
8 if [ $n -eq 0 ]; then
9     echo "exit because you entered 0 "
10 else
11     until [ $n -eq 0 ]; do
12         if (($n%2==0)); then
13             echo "$n is even"
14         else
15             echo "$n is odd"
16         fi
17         read n
18     done
19     echo "exit because you entered 0"
20 fi
```

input

```
4 is even
7
7 is odd
0
exit because you entered 0
```