QUESTION 3: Create a shell script that checks whether a given number is even or odd. Prompt the user for input and display the result.

```
#!/bin/bash

read -p "Enter num " num
if [ $((num%2))==0 ]
 then
echo "Num is EVEN"
exit 0
else
echo "num is ODD"
exit 0
fi

exit 1
```

hamza@DESKTOP-UQ15IT8: ~/lab3

```
hamza@DESKTOP-UQ15IT8:~/lab3$ ./script.sh
Enter num 2
Num is EVEN
hamza@DESKTOP-UQ15IT8:~/lab3$ ./script.sh
Enter num 13
num is ODD
hamza@DESKTOP-UQ15IT8:~/lab3$
```

QUESTION 4: Create a shell script that prompts the user for a number and then prints the multiplication table for that number using a while loop.

```
  GNU nano 4.8
#!/bin/bash

read -p "Enter num " num
i=1
while [ $i -le 10 ]
do
        echo $num " * " $i " = "$((num*i))
        ((i++))
done
```

```
hamza@DESKTOP-UQ15IT8:~/lab3$ nano script.sh
hamza@DESKTOP-UQ15IT8:~/lab3$ ./script.sh
Enter num 14
14  *  1  = 14
14  *  2  = 28
14  *  3  = 42
14  *  4  = 56
14  *  5  = 70
14  *  6  = 84
14  *  7  = 98
14  *  8  = 112
14  *  9  = 126
14  *  10  = 140
hamza@DESKTOP-UQ15IT8:~/lab3$
```