Task1

Please design a script that writes the numbers from 1 - 10 in random order.

Each number should appear only once.

You can use bash only.

Please provide tests for the script, along with documentation which should include the following:

● Build instructions

● Usage

● Description

● Known limitations / bugs

**Description:**

The random\_numbers.sh script is a simple Bash script designed to generate and display a random order of numbers from 1 to 10. It utilizes the shuf command to shuffle the array of numbers and then prints the shuffled sequence to the standard output.

The randomness is achieved by using the shuf command, which shuffles the input array.

**Documentation:**

1.Open a terminal and select a text editor of your choice, such as nano, vim or gedit.

(I will use vim)

2.Using the command vim random\_numbers.sh I create a file.



3. I write the codes that fit the description given to me in the file.

4. **chmod +x random\_numbers.sh**

I use chmod +x random\_numbers.sh command to add execute permissions to the random\_numbers.sh script. This command changes the file permissions to allow the script to be run as a program.

A computer screen shot of numbers

Description automatically generated

A black screen with white text

Description automatically generated

### 5. **Tests:**

**./random\_numbers.sh**

We start the scenario with this command



and here we come to the conclusion.

A computer screen shot of a black screen

Description automatically generated

6. **./random\_numbers.sh | sort | uniq -c**

Thus, the command performs the following steps:

Runs a script that generates a random order of numbers from 1 to 10.

Sorts these numbers in ascending order.

Counts how many times each number is repeated.

An example output would be as follows:

A computer screen with white text

Description automatically generated