

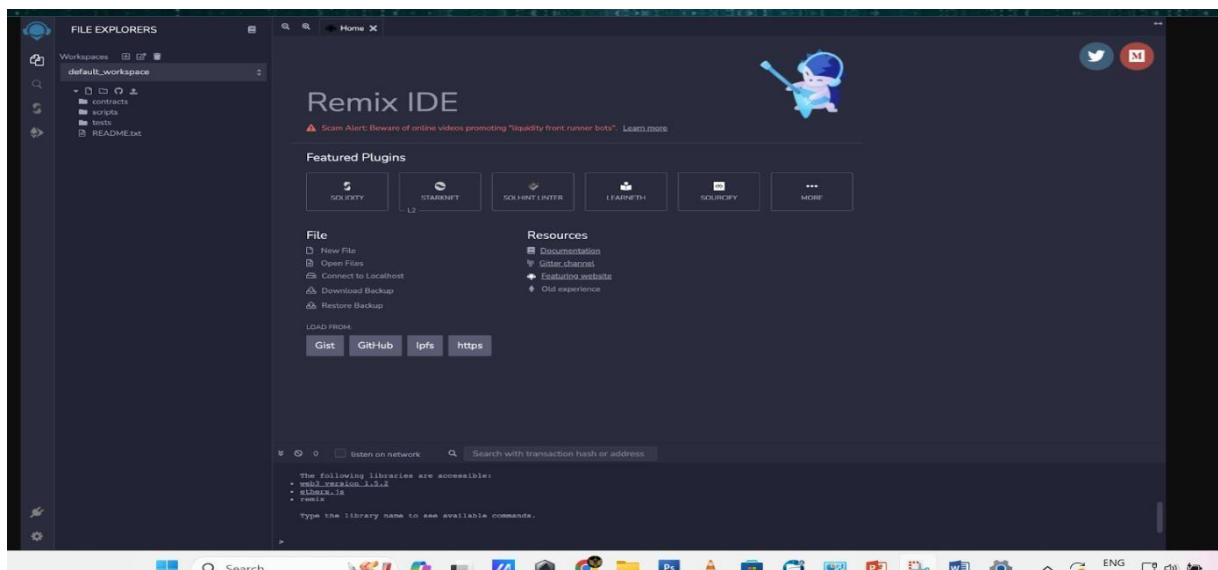
# IMPLEMENTATION:

## Remix IDE:

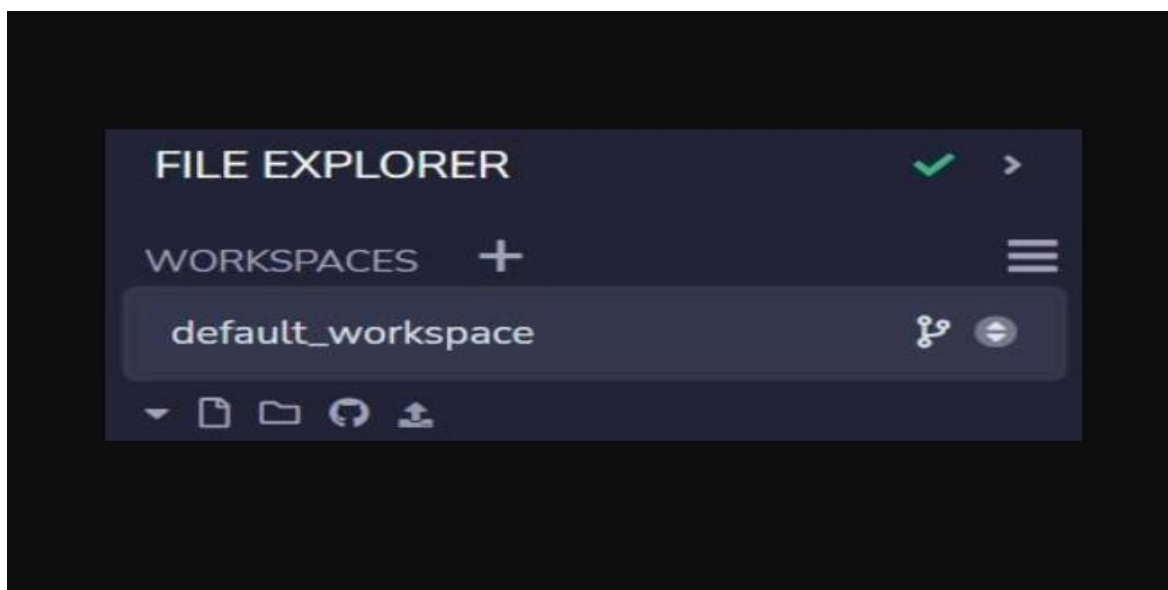
Remix IDE is a no-setup tool with a GUI for developing smart contracts. Used by experts and beginners alike, Remix will get you going in double time. Remix plays well with other tools, and allows for a simple deployment process to the chain of your choice. Remix is famous for its visual debugger.

### STEP 1:

Open [Remix IDE](#).

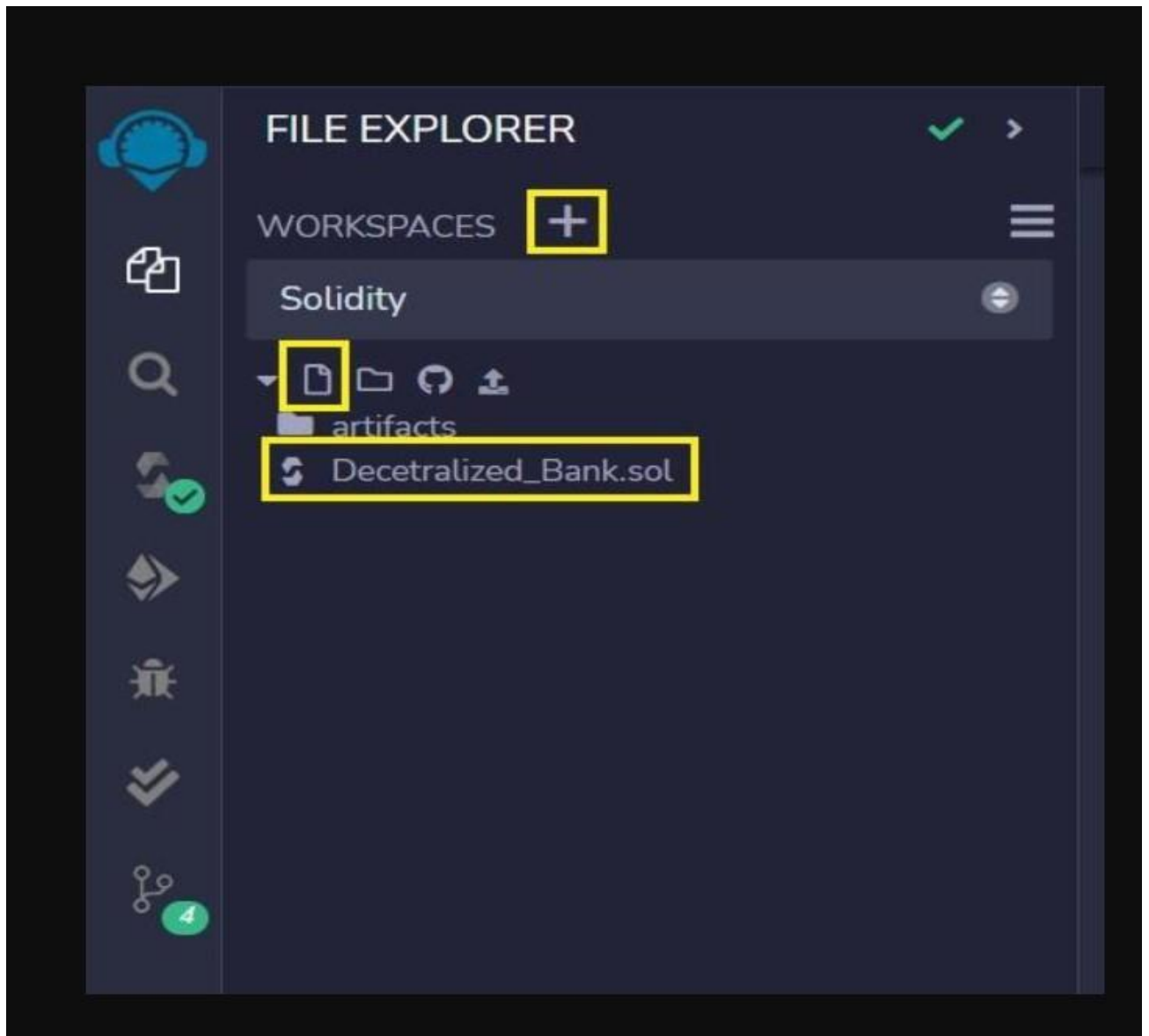


- Click on **File Explorers** and Create a new **WORKSPACE** (by Clicking on the + icon).



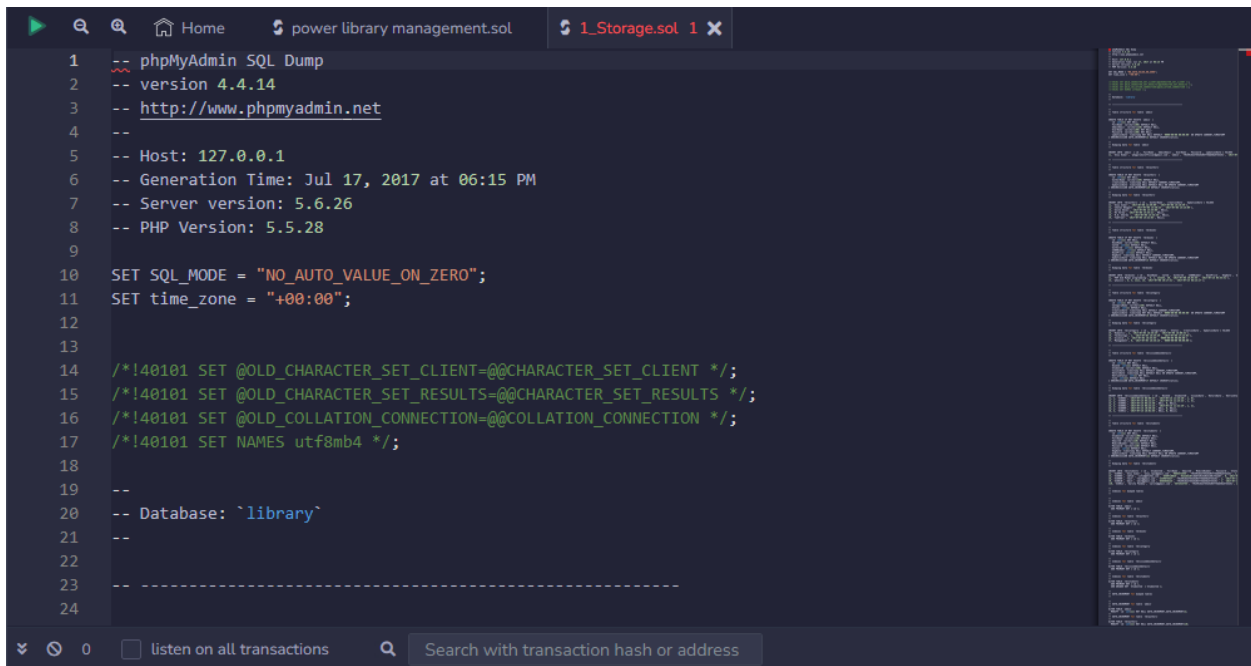
## STEP 2:

Click on File Explorers and select Solidity in the environment and create a new file filename. sol by clicking on New File section.

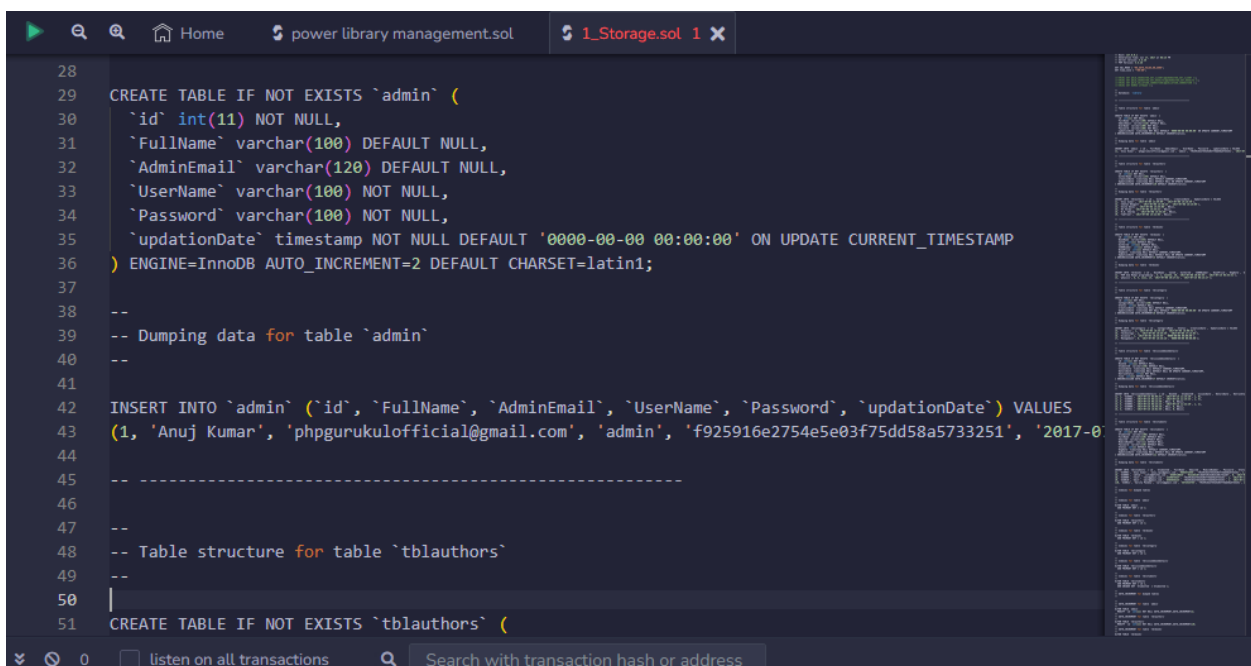


### STEP 3:

- Add the solidity code in the Filename. sol file.

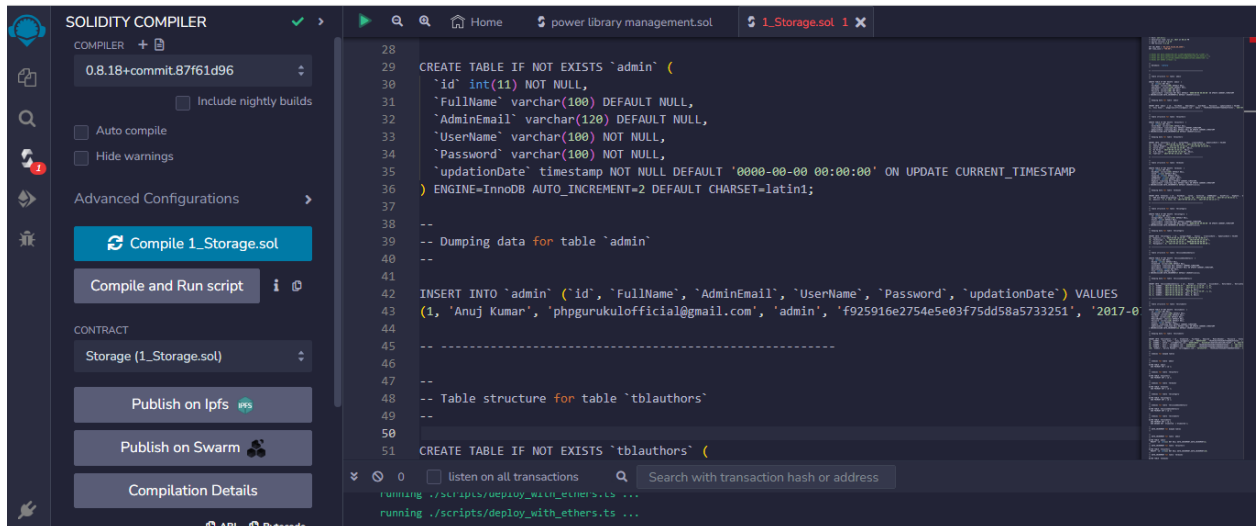


```
1  -- phpMyAdmin SQL Dump
2  -- version 4.4.14
3  -- http://www.phpmyadmin.net
4  --
5  -- Host: 127.0.0.1
6  -- Generation Time: Jul 17, 2017 at 06:15 PM
7  -- Server version: 5.6.26
8  -- PHP Version: 5.5.28
9
10 SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
11 SET time_zone = "+00:00";
12
13
14 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
15 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
16 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
17 /*!40101 SET NAMES utf8mb4 */;
18
19 --
20 -- Database: `library`
21 --
22
23
24
```



```
28
29 CREATE TABLE IF NOT EXISTS `admin` (
30   `id` int(11) NOT NULL,
31   `FullName` varchar(100) DEFAULT NULL,
32   `AdminEmail` varchar(120) DEFAULT NULL,
33   `UserName` varchar(100) NOT NULL,
34   `Password` varchar(100) NOT NULL,
35   `updationDate` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00' ON UPDATE CURRENT_TIMESTAMP
36 ) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;
37
38 --
39 -- Dumping data for table `admin`
40 --
41
42 INSERT INTO `admin` (`id`, `FullName`, `AdminEmail`, `UserName`, `Password`, `updationDate`) VALUES
43 (1, 'Anuj Kumar', 'phpgurukulofficial@gmail.com', 'admin', 'f925916e2754e5e03f75dd58a5733251', '2017-07-17 06:15:00');
44
45
46
47 --
48 -- Table structure for table `tblauthors`
49 --
50
51 CREATE TABLE IF NOT EXISTS `tblauthors` (
```

**Step 4:** Create a file in contract folder and paste the smart contract code in the file



SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

Include nightly builds

Auto compile

Hide warnings

Advanced Configurations

Compile 1\_Storage.sol

Compile and Run script

CONTRACT

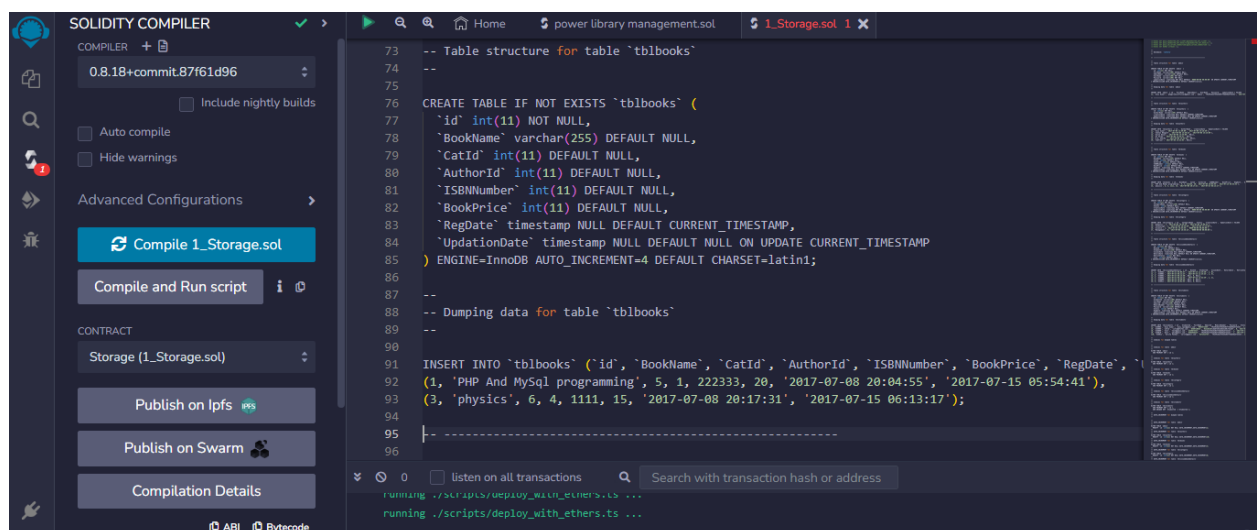
Storage (1\_Storage.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

```
28
29 CREATE TABLE IF NOT EXISTS `admin` (
30   `id` int(11) NOT NULL,
31   `FullName` varchar(100) DEFAULT NULL,
32   `AdminEmail` varchar(120) DEFAULT NULL,
33   `UserName` varchar(100) NOT NULL,
34   `Password` varchar(100) NOT NULL,
35   `updateDate` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00' ON UPDATE CURRENT_TIMESTAMP
36 ) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;
37
38 --
39 -- Dumping data for table `admin`
40 --
41
42 INSERT INTO `admin` (`id`, `FullName`, `AdminEmail`, `UserName`, `Password`, `updateDate`) VALUES
43 (1, 'Anuj Kumar', 'phpgurukulofficial@gmail.com', 'admin', 'f925916e2754e5e03f75dd58a5733251', '2017-0
44
45 -----
46 --
47 -- Table structure for table `tblauthors`
48 --
49
50
51 CREATE TABLE IF NOT EXISTS `tblauthors` (
```



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CONTRACT

Storage (1\_Storage.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

```
73 -- Table structure for table `tblbooks`
74 --
75
76 CREATE TABLE IF NOT EXISTS `tblbooks` (
77   `id` int(11) NOT NULL,
78   `BookName` varchar(255) DEFAULT NULL,
79   `CatId` int(11) DEFAULT NULL,
80   `AuthorId` int(11) DEFAULT NULL,
81   `ISBNNumber` int(11) DEFAULT NULL,
82   `BookPrice` int(11) DEFAULT NULL,
83   `RegDate` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
84   `UpdateDate` timestamp NULL DEFAULT NULL ON UPDATE CURRENT_TIMESTAMP
85 ) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=latin1;
86
87 --
88 -- Dumping data for table `tblbooks`
89 --
90
91 INSERT INTO `tblbooks` (`id`, `BookName`, `CatId`, `AuthorId`, `ISBNNumber`, `BookPrice`, `RegDate`, `
92 (1, 'PHP And MySql programming', 5, 1, 222333, 20, '2017-07-08 20:04:55', '2017-07-15 05:54:41'),
93 (3, 'physics', 6, 4, 1111, 15, '2017-07-08 20:17:31', '2017-07-15 06:13:17');
94
95 -----
96
```



