Name: Divya Mahur

Roll no: 18BCE106

Subject: BCT Practical 5

Title: Smart Contract for toll tax

CODE

```
// Solidity program to count number of values in a mapping
pragma solidity >=0.4.22;
contract road_tax {
// Defining structure
struct owner {
// Declaring different
// structure elements
string name;
string phone no;
int total_tax;
int256 total amount;
}
owner o1;
function initialize () public {
ol.name="Divya"; ol.phone_no="9876"; ol.total_tax=0;
o1.total amount=1000; }
//Function adding values to the mapping
function add_tax_user1(int x) public {
if(o1.total amount>x)
{
    o1.total amount = o1.total amount - x;
```

```
}
else
o1.total tax=o1.total tax + x;
}
// Function to retrieve
// values from the mapping
function get tax() view public returns (int) {
return o1.total tax;
}
function get amount() view public returns (int) {
return o1.total amount;
                  }
}
   ☆ 🍒 🝖 🥝 💥 🖈 🗊 🗿 :
   ← → C 🌣 🖆 remix.ethereum.org/#optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.7+commit.e28d00a7.js
  ## Apps 🚱 🧿 Spark AR Open Pr... 🗎 Series/Movies 🙋 Log in 🛕 About the test - E... 👬 Slack | 04_annou.
                                                                                                                                                                                                                                                                                             Reading List
                DEPLOY & RUN TRANSACTIONS
                                                                                          → Home $ Prack.sol X
// Solidity program to // count number of // values in a mapping pragma solidity >> 0.4.22;
contract road.tax {
// Defining structure</pr>
*struct owner {
// Declaim g different</pr>
// structure elements</pr>
string name;
string phone_no;
int total_tax;
int total_tax;
// Interconserved
// Structure
// Structur
   >>
                                                                                  14 }
15 owner ol;
16 function initialize () public {
10 ol.name="Divya"; ol.phone_no="9876"; ol.total_tax=0; ol.total_amount=1800; }
18 /Function adding values to the mapping
19 function add_tax_userf(int x) public {
20 if(ol.total_amount=x)
21 * {
22 ol.total_amount=x)
                  3000000
                                                                                           else
ol.total_tax=ol.total_tax + x;
}
// Function to retrieve
// values from the mapping
function get_tax() view public returns (int) {
return ol.total_tax;
                                                                                           function get_amount() view public returns (int) {
   return ol.total_amount;
   }
                 Transactions recorded 1
                 Deployed Contracts
```



