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Batch - EL2

Course Code & Name – 2CSDE93 & Blockchain Technology

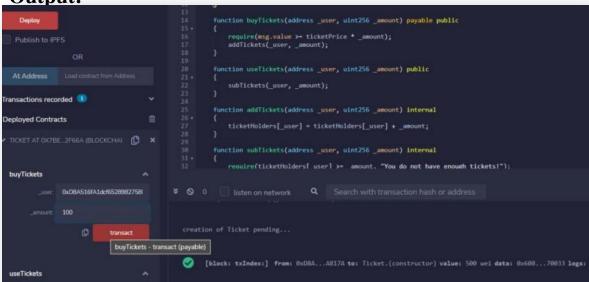
Practical – 9

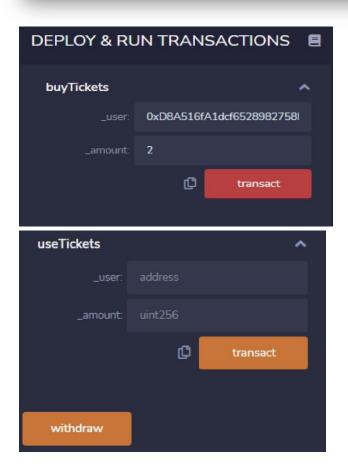
Aim: To write a Solidity contract that implements a distributed ticket sales system. Anybody can create an event (specifying the initial price and number of tickets). Anybody can then purchase one of the initial tickets or sell those tickets peer-to-peer. At the event, gate agents will check that each attendee is listed in the final attendees list on the blockchain. (Ethereum programming)

Smart Contract:

```
require(ticketHolders[_user] >= _amount, "You do not have enough tickets!");
ticketHolders[_user] = ticketHolders[_user] - _amount; }
function withdraw() public
{
require(msg.sender == owner, "You are not the owner!"); (bool success, ) = owner.call{value: address(this).balance}(""); require(success);
}
}
```

Output:







Conclusion:

After completion of this practical, I learnt how to write smart contract for sales system using RemixIDE.