```
pragma solidity ^0.4.11;
import './IERC20.sol';
import './SafeMath.sol';
contract KPRToken is IERC20 {
   using SafeMath for uint256;
    //public variables
    string public constant symbol="KPR";
    string public constant name="KPR Coin";
    uint8 public constant decimals=18;
    //1 ETH = 2,500 KPR
   uint56 public RATE = 2500;
   //totalsupplyoftoken
   uint public totalSupply = 1000000000 * 10 ** uint(decimals);
   uint public buyabletoken = 90000000 * 10 ** uint (decimals);
    //where the ETH goes
   address public owner;
   //map the addresses
    mapping(address => uint256) balances;
   mapping (address => mapping (address => uint256)) allowed;
    // 1514764800 : Jan 1 2018
   uint phaselstarttime = 1517443200; // Phase 1 Start Date Feb 1 2018
   uint phaselendtime = 1519257600; // Phase 1 End Date Feb 22 2018
   uint phase2starttime = 1519862400; // Phase 2 Start Date March 1 2018
   uint phase2endtime = 1521676800; // Phase 2 End Date March 22 2018
    uint phase3starttime = 1522540800; // Phase 3 Start Date May 1 2018
    uint phase3endtime = 1524355200; // Phase 3 End Date May 22 2018
    //create token function = check
    function() payable {
       buyTokens();
    function KPRToken() {
       owner = msg. sender;
       balances[owner] = totalSupply;
```

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function buyTokens() payable {
    require (msg. value > 0);
    require(now > phase1starttime && now < phase3endtime);
    uint256 tokens;
    if (now > phase1starttime && now < phase1endtime) {
        RATE = 3000;
        setPrice (msg. sender, msg. value);
    } else if (now > phase2starttime && now < phase2endtime) {
        RATE = 2000;
        setPrice (msg. sender, msg. value);
        // tokens = msg. value. mul(RATE);
        // require(tokens < buyabletoken);
        // balances[msg. sender]=balances[msg. sender].add(tokens);
        // balances[owner] = balances[owner]. sub(tokens);
        // buyabletoken = buyabletoken. sub(tokens);
        // owner. transfer (msg. value);
    } else if(now > phase3starttime && now < phase3endtime){
        RATE = 1000;
        setPrice (msg. sender, msg. value);
}
function setPrice(address receipt, uint256 value) {
    uint256 tokens;
    tokens = value.mul(RATE);
    require(tokens < buyabletoken);</pre>
    balances[receipt] = balances[receipt].add(tokens);
    balances[owner] = balances[owner]. sub(tokens);
    buyabletoken = buyabletoken. sub(tokens);
    owner. transfer (value);
}
function balanceOf(address _owner) constant returns(uint256 balance) {
    return balances[ owner];
}
function transfer (address to, uint256 value) returns (bool success) {
    //require is the same as an if statement = checks
    require(balances[msg.sender] >= _value && _value > 0 );
    balances[msg. sender] = balances[msg. sender]. sub( value);
```

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balances[ to] = balances[ to].add( value);
       Transfer (msg. sender, _to, _value);
       return true;
   }
   function transferFrom(address _from, address _to, uint256 _value) returns (bool
success) {
       //checking if the spender has permission to spend and how much
       require( allowed[_from][msg.sender] >= _value && balances[_from] >= _value &&
value > 0);
       //updating the spenders balance
       balances[ from] = balances[ from].sub( value);
       balances[_to] = balances[_to].add(_value);
        allowed[_from][msg.sender] = allowed[_from][msg.sender].sub( value);
       Transfer (from, to, value);
       return true;
    }
    function approve(address _spender, uint256 _value) returns(bool success) {
       //if above require is true, approve the spending
       allowed[msg.sender][ spender] = value;
       Approval (msg. sender, spender, value);
       return true;
   }
    function allowance (address _owner, address _spender) constant returns (uint256
remaining) {
       return allowed[_owner][_spender];
   }
    event Transfer (address indexed from, address indexed to, uint256 value);
    event Approval (address indexed_owner, address indexed_spender, uint256 _value);
```