function checkCashRegister(price, cash, cid) {

var change = cash - price, no\_of\_units=[],j=0,change\_unit=[],f=0,fin=[];

console.log(change);

var m=change,credit=0;

var obj={"status":"","change":[]};

var name=['PENNY','NICKEL','DIME','QUARTER','ONE','FIVE','TEN','TWENTY','ONE HUNDRED'];

var amt= [0.01,0.05,0.1,0.25,1,5,10,20,100];

name.reverse();

var cr=[...arguments[2]];

cr=cr.flat(1);

for(var i=1;i<cr.length;i+=2)

{

var x=Math.round(cr[i]/amt[j]);

no\_of\_units.push(x);

credit+=cr[i];

j++;

}

console.log(credit);

no\_of\_units.reverse();

console.log(no\_of\_units);

var a=amt.reverse();

for(i=0;i<a.length;i++)

{

if(no\_of\_units[i]>0)

{

if(change>0 && change<0.05)

{

change=Number(change.toFixed(3));

f=1;

}

if(change/a[i] < 1)

{

continue;

}

else if(change%a[i]==0)

{

//console.log(`value of unit of ${a[i]}$ is `+change);

change\_unit[i]=change;

f=1;

break;

}

else if(change%a[i]!=0)

{

if(no\_of\_units[i]\*a[i]<change)

{

var d=no\_of\_units[i];

var int\_part=d\*a[i];

change=change-int\_part;

change\_unit[i]=int\_part;

}

else if(no\_of\_units[i]>=(change/a[i]))

{

f=1;

var d=change/a[i];

var dec\_part= Math.abs(d-Math.floor(d));

var int\_part=d-dec\_part;

change\_unit[i]=int\_part\*a[i];

change=dec\_part\*a[i];

}

}

}

else

{

change\_unit[i]=0;

}

}

if(f==1)

{

if(credit==m)

obj["status"]="CLOSED";

else

obj["status"]="OPEN";

for(i=0;i<change\_unit.length;i++)

{

if(change\_unit[i]==undefined)

continue;

else

fin.push([name[i],change\_unit[i]]);

}

if(obj["status"]=="CLOSED")

fin.reverse();

obj["change"]=fin;

console.log(obj["status"],obj["change"]);

return obj;

}

else{

obj["status"]="INSUFFICIENT\_FUNDS";

obj["change"]=[];

console.log(obj["status"],obj["change"]);

return obj;

}

}

checkCashRegister(19.5, 20, [["PENNY", 0.5], ["NICKEL", 0], ["DIME", 0], ["QUARTER", 0], ["ONE", 0], ["FIVE", 0], ["TEN", 0], ["TWENTY", 0], ["ONE HUNDRED", 0]]);