**July19\_Assignment(JS)**

1.Duplicate Elements:

let arr=[1,2,3,4,2,3,4,6,2,8,2,2,4];

let new\_arr=[];

for(let i=0;i<arr.length;i++)

{

let duplicate=false;

for(let j=0;j<new\_arr.length;j++){

if(arr[i]==new\_arr[j]){

duplicate=true;

break;

}

}

if(!duplicate){

new\_arr.push(arr[i]);

}

}

console.log(new\_arr);

2.print duplicate3:

let arr=[1,2,3,4,1,1,1,1,3,3,3,3,2,2,2,2];

let new\_arr=[];

let duplicate={};

for(let i=0;i<arr.length;i++)

{

var curr=arr[i];

if(duplicate[curr]==undefined)

{

duplicate[curr]=1;

}

else{

duplicate[curr]++;

}

}

for(let key in duplicate){

if(duplicate[key[0]]>3){

new\_arr.push(key);

}

}

console.log(new\_arr);

3.pattern:

let n=4;

let str="";

for(let i=1;i<=n;i++){

let x=1;

for(let j=1;j<=i\*2;j++)

{

str+=x;

if(j%2==0){

x++;

}

}

str+='\n';

}

console.log(str);

4.Number:

let n=987654;

let prod=0;

while(n>0){

let last=n%10;

if(last%2===0){

prod=(prod\*10)+last;

}

// n=n/10;

n=Math.floor(n/10);

}

console.log(prod);

5.Students:

let ob=[{

name:"Jaya",

usn:"sree",

fees:100000,

marks:99

},{

name:"Pooji",

usn:"lohi",

fees:1000000,

marks:90

},{name:"Ramesh",

usn:"Kumari",

fees:1000,

marks:80

}]

let user=prompt("Enter usn");

if(user==="kumari")

{

console.log(ob[2]);

}

else if(user==="lohi"){

console.log(ob[1]);

}

else if(user==="sree"){

console.log(ob[0]);

}

else{

console.log("in");

}