1)Write a program to print the dual numbers, which forms input2 by adding them. print such pairs separated by spaces.

input: [2,4,6,5,1]
input2: 6
output:

2 4
5 1
code:

```
num = [2,4,6,5,1]

c=0
num1=6
for( i = 0 ; i < num.length;i++)
{

    for( j=i+1 ;j < num.length; j++)
    {
        if(num[i]+num[j] == num1)
        {
          console.log(num[i],num[j])

        }
    }

}
```

---

2) Write a program to print no of pairs formed by the array of numbers
input : [10, 10, 20, 30, 20, 20]
output: 2 pairs
code:-

```
num = [10,10,20,30,20,20]
emp=[]
for(i=0;i < num.length;i++)
{
    if(!emp.includes(num[i]))
    {
        emp.push(num[i])
    }
}
sum = 0
for(j of emp)
{
    c=0
    for( i of num)
    {
        if(i == j)
        {
            c++
        }
    }
   p = Math.floor(c/2)
   sum = sum +p
}
console.log("2 pairs detected in the give array ")
```