In [1]:
```
import pandas as pd
```

In [2]:
```
from matplotlib import pyplot as plt
```

In [26]:
```
order_data=pd.read_csv('result.csv')
```

In [27]:
```
order_data
```

Out[27]:

	order_id	email	fi
0	AB102	lourdes_bauswell@aol.com	
1	AB104	hui_portaro@cox.net	
2	AB105	lsteinhaus@cox	
3	AB109	crissy@aol.com	

	order_id	email	fi
4	AB172	dahlia_benett@aol.com	
5	AB186	margurite.brake@yahoo.com	I
6	AB191	carol@gmail.com	
7	AB194	speadcox.net	
8	AB257	avery.masso@hotmail.com	
9	AB265	lfrisinger@cox.net	
10	AB287	lavina.michelet@michelet.org	
11	AB301	brice_rowe@aol.com	

	order_id	email	fi
12	AB302	example@example.com	
13	AB337	marleen_hennon@aol.com	
14	AB350	ddobler@dobler.com	
15	BC001	kloud@gmail.com	
16	BC005	paola_vielma@aol.com	
17	BC016	dell_polino@polino.com	
18	BC022	carole_hughlett@hughlett.com	
19	BC029	salina.knavel@gmail.com	

	order_id	email	fi
20	BC032	agustin.lakatos@gmaaail.com	
21	BC039	darell_mcalarney@mcalarney.com	
22	BC045	lazaro@gmail.com	
23	BC047	nadine_swartzbeck@swartzbeck.org	
24	BC060	cscotts@aol.com	
25	BC101	tayna_keirnan@gmail.com	
26	BC104	long.shintaku@shintaku.org	
27	BC127	bdewer@gmail.com	

	order_id	email	fi
28	BC130	yvette.capiga@yahoo.com	
29	BC132	valene@madson.org	
30	BC134	kdrizin@aol.com	
31	BC145	anjelica@lovero.org	
32	BC179	dion_lamastuslamastus.com	
33	BC184	rwetherby@wetherby.org	
34	BC190	wenona.braseth@braseth.org	
35	BC202	dmakley@yahoo.com	

	order_id	email	fi
36	BC204	alison_mahlum@hotmail.com	
37	BC214	coral.brennick@brennick.com	
38	BC228	dmathiasen@hotmail.com	

In [22]:
```
order_data.describe()
```

Out[22]:

	order_id	email	first_name
count	39	39	39
unique	39	39	39
top	BC022	hui_portaro@cox.net	Carol
freq	1	1	1

In [23]:
```
hold_count = order_data.status[order_data
```

In [57]:
```
print("Number of hold = {} ".format( hold
```

```
Number of hold = 8
```

In [33]:
```
success_count = order_data.status[order_d
```

In [58]:
```
print("Number of Success = {} ".format( s
```

```
Number of Success = 31
```

In [13]:
```
!pip install  seaborn --upgrade --quiet
```

```
WARNING: You are using pip version 20.2;
however, version 21.3 is available.
You should consider upgrading via the
'c:\users\lenovo\anaconda3\python.exe -m
pip install --upgrade pip' command.
```

In [15]:
```
from matplotlib import pyplot as plt
import seaborn as sns
%matplotlib inline
```

In [29]:
```
order_data['date'] = pd.to_datetime(order
```

In [30]:
```
order_data['year'] = pd.DatetimeIndex(orc
order_data['month'] = pd.DatetimeIndex(or
order_data['day'] = pd.DatetimeIndex(orde
order_data['weekday'] = pd.DatetimeIndex(
```

In [49]:
```
order_month_df = order_data.groupby('mont
```

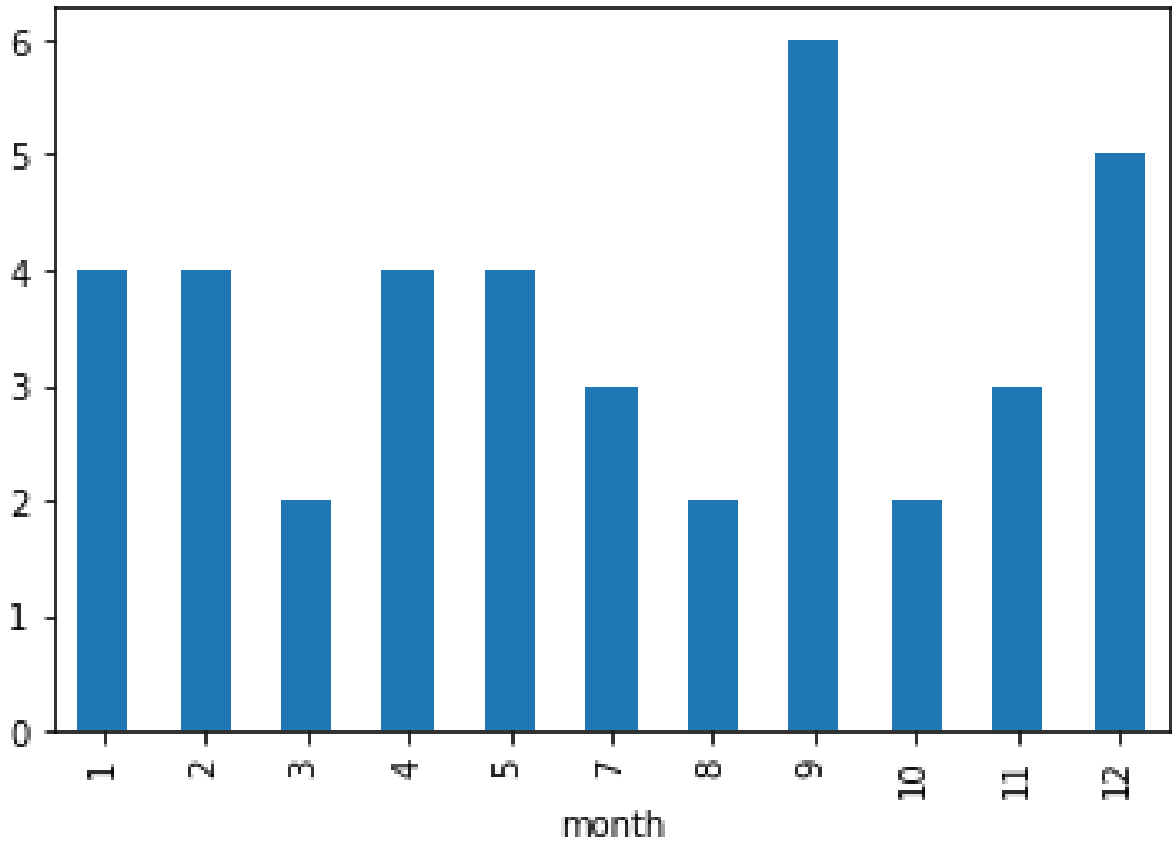
In [50]:
```
order_month_df
```

Out[50]:

month	status
1	4
2	4
3	2
4	4
5	4
7	3
8	2
9	6
10	2
11	3

	status
month	
12	5

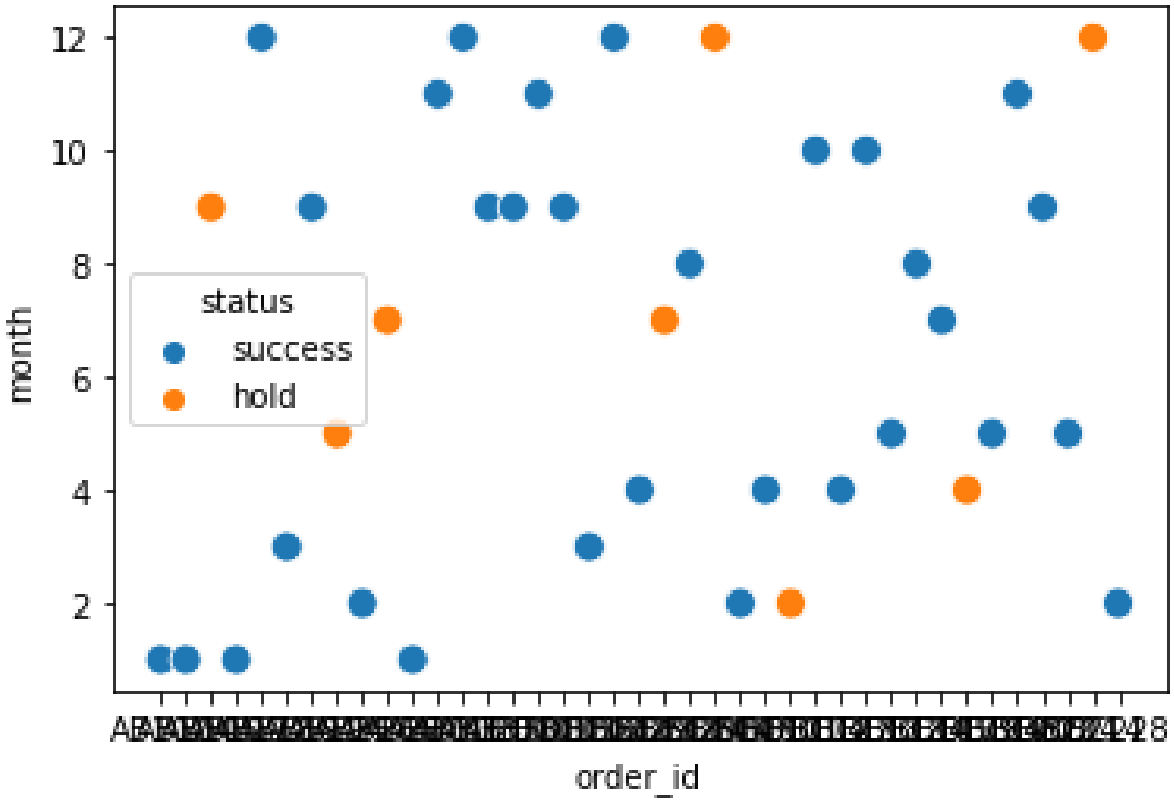
In [51]:
```
order_month_df.status.plot(kind='bar');
```



In [70]:
```
print("The above graph the total number o
```

The above graph the total number of order
s in each month.

In [68]:
```
sns.scatterplot(x=order_data.order_id, y=
```



In [71]:

```
print("Graph shows the visual representat
```

Graph shows the visual representation of order in the given month.

In [69]:

```
hold_df = order_data[order_data.status ==
success_df = order_data[order_data.status
```

In [61]:

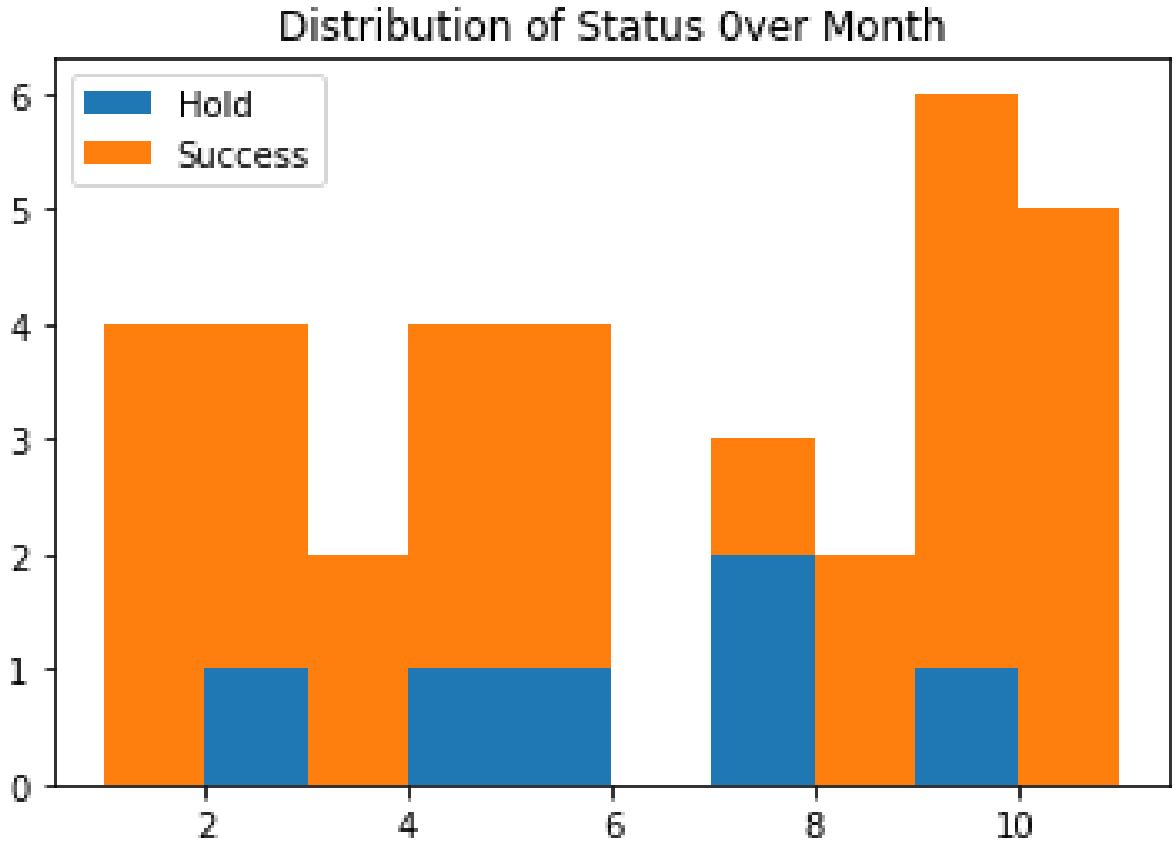
```
import numpy as np
```

In [64]:

```
plt.title('Distribution of Status 0ver Mo

plt.hist([hold_df.month, success_df.month
         bins=np.arange(1, 12,1),
         stacked=True);
```

```
plt.legend(['Hold', 'Success']);
```



In [72]:
```
print("The graph shows the hold and succe
```

```
The graph shows the hold and success stat
us of all the orders in the given month.
```

In [100…
```
nbconvert --to latex --no-input data_char
```

```
  File "<ipython-input-100-029863643d7f>"
, line 1
    nbconvert --to latex --no-input data_
chart.ipynb
                  ^
SyntaxError: invalid syntax
```

In [ ]: