In [3]:
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
df = pd.read_csv('practice.csv')
df.head()
```

Out[3]:

	species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex
0	Adelie	Torgersen	39.1	18.7	181.0	3750.0	Male
1	Adelie	Torgersen	39.5	17.4	186.0	3800.0	Female
2	Adelie	Torgersen	40.3	18.0	195.0	3250.0	Female
3	Adelie	Torgersen	NaN	NaN	NaN	NaN	NaN
4	Adelie	Torgersen	36.7	19.3	193.0	3450.0	Female

In [4]:
```
time=[1,2,3,4,5,6,7]
marks=[40,50,60,70,80,90,98]
enjoy=[90,80,95,86,80,95,62]
df2 = pd.DataFrame(time,marks)
df2
```

Out[4]:

	0
40	1
50	2
60	3
70	4
80	5
90	6
98	7

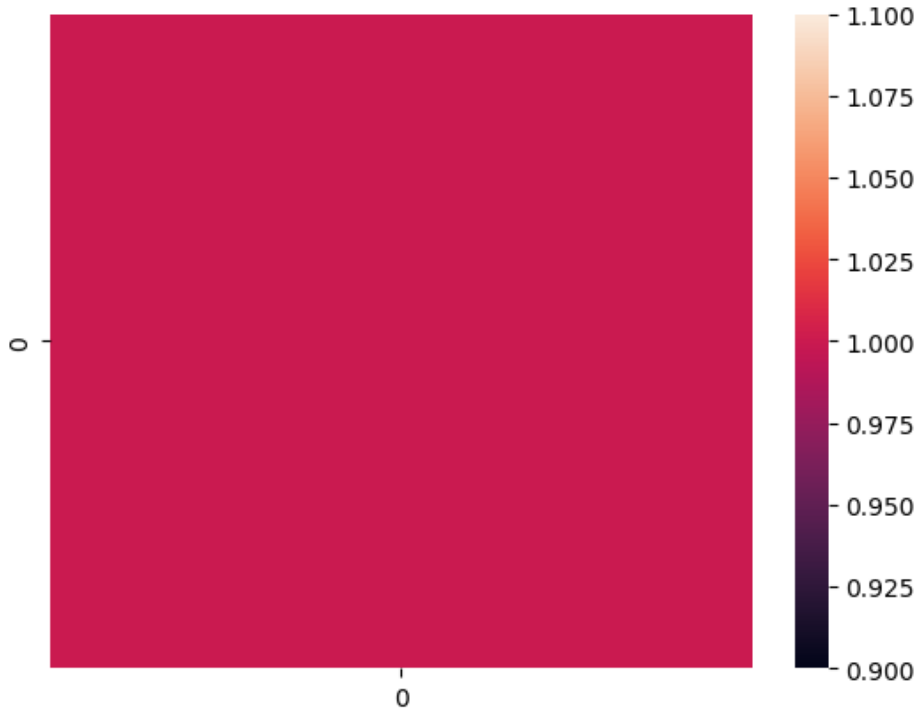
In [5]:
```
df2.corr()
```

Out[5]:

	0
0	1.0

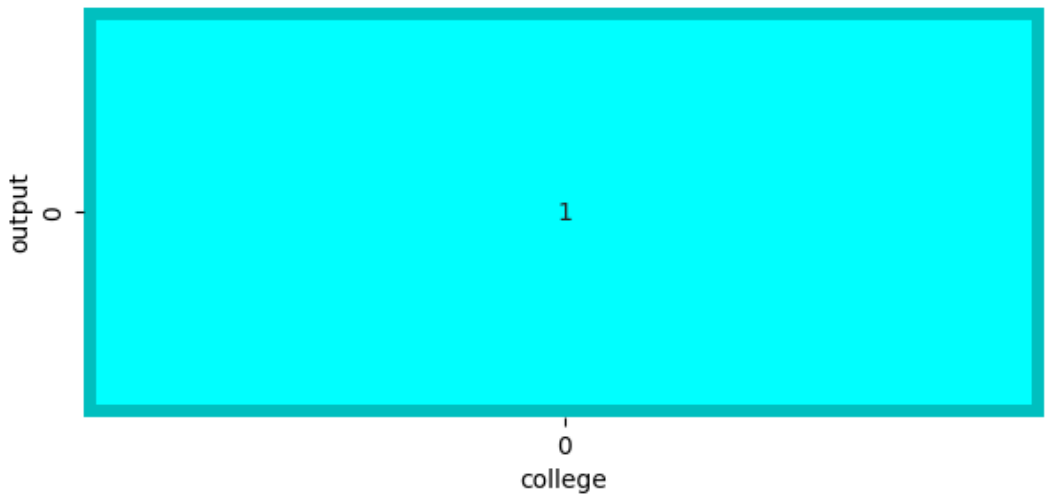
In [6]:
```
sns.heatmap(df2.corr())
```

Out[6]: <Axes: >



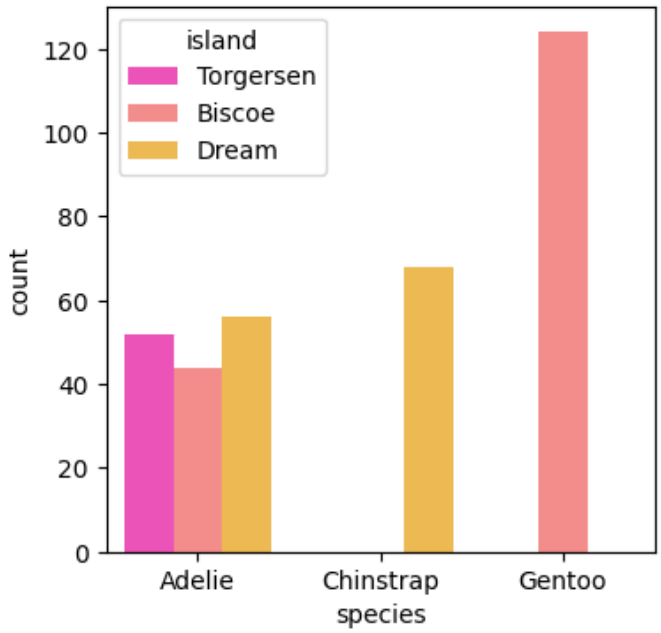
In [7]:
```
plt.figure(figsize=(7,3))
plot1= sns.heatmap(df2.corr(),annot=True, cmap='cool', linewidth=10, linecolor='c', cbar=Fals
plot1.set(xlabel='college',ylabel='output')
# plt.savefig('heat.png')
```

Out[7]:
```
[Text(0.5, 3.722222222222216, 'college'),
 Text(58.222222222222214, 0.5, 'output')]
```



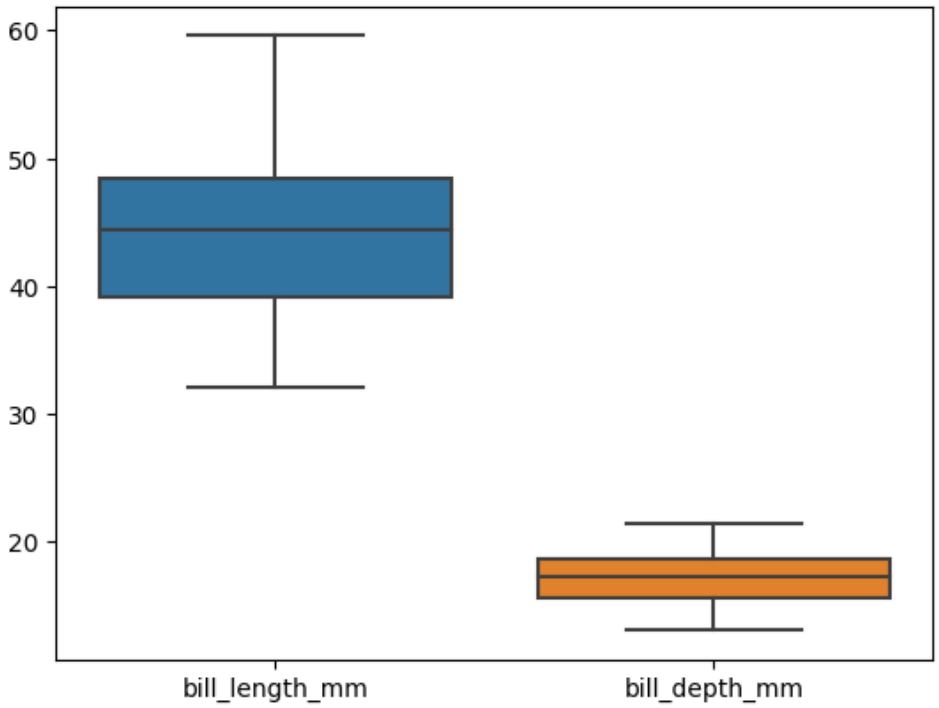
In [8]:
```
# countplot
df.head(1)
plt.figure(figsize=(4,4))
sns.countplot(x='species', data=df, hue='island', palette='spring', saturation=0.8)#,color='b
```

Out[8]: <Axes: xlabel='species', ylabel='count'>



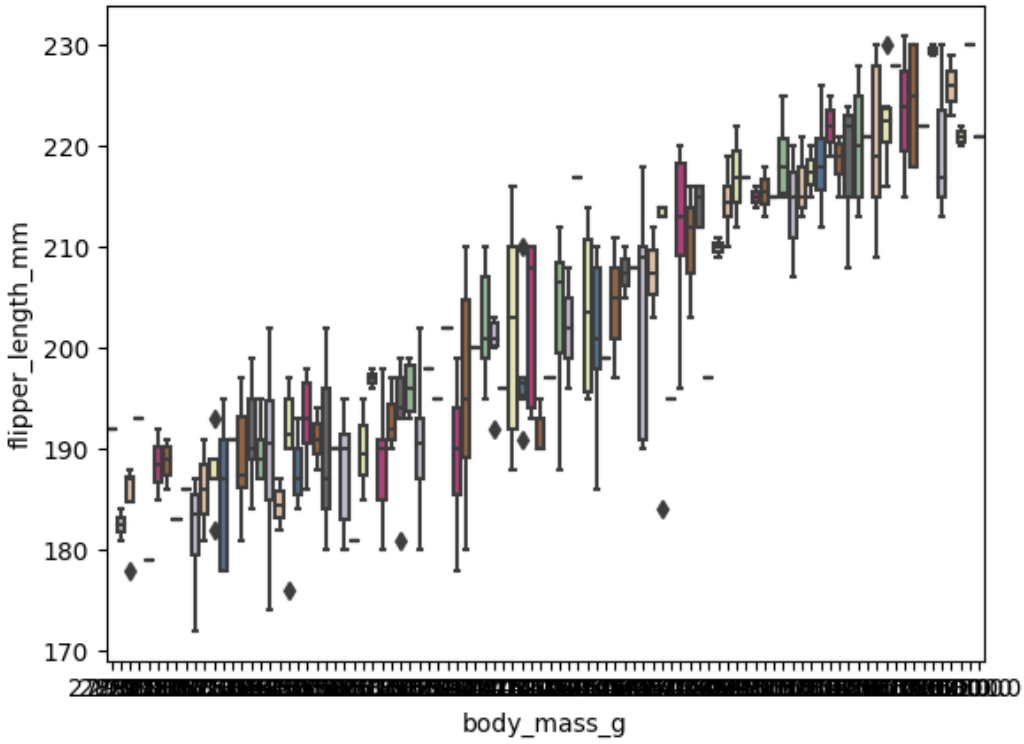
In [9]:
```
df1=df.drop(['body_mass_g','flipper_length_mm'],axis=1)
sns.boxplot(df1)
```

Out[9]: <Axes: >



In [10]:
```
sns.boxplot(x='body_mass_g', y='flipper_length_mm', data=df, palette='Accent', saturation=0.5
```

Out[10]: <Axes: xlabel='body_mass_g', ylabel='flipper_length_mm'>



In [12]:
```
sns.boxplot(x = 'body_mass_g', data=df, palette='Accent', saturation=0.5, width=0.3, whis=0.2
```

Out[12]: <Axes: xlabel='body_mass_g'>