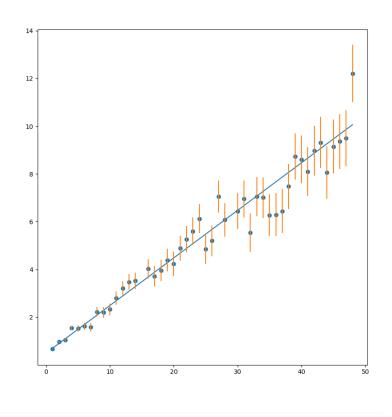
Problem 1

```
# Timester = "Took of the control of
```

Problem 2





Problem 3

```
problem5.py problem4.py problem3.py x

problem3.py > ...

import matplotlib.pyplot as plt
import numpy as np
import scipy as sp
import pandas as pd
def linearFunc(x,a,b):

return a*x*b

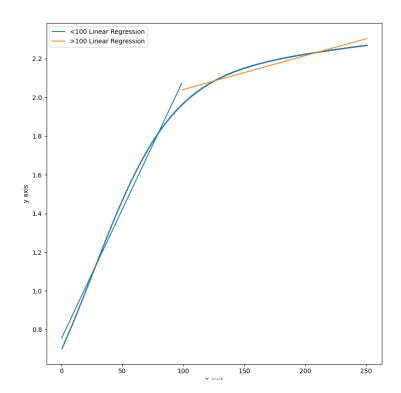
data = pd.read_excel('lin2.xlsx')
df = pd.bataFrame(data)
xvals = df.iloc(:,0].values
yvals = df.iloc(:,0].values

xvals2 = xvals[x[0]:]
xvals2 = xvals[x[0]:]
xvals2 = xvals[x[0]:]
xvals1 = xvals[:x[maxx]]
yvals1 = yvals[:x[maxx]]
parameters = np.polyfit(xvals1,yvals1,1)
parameters1 = np.polyfit(xvals2,yvals2,1)

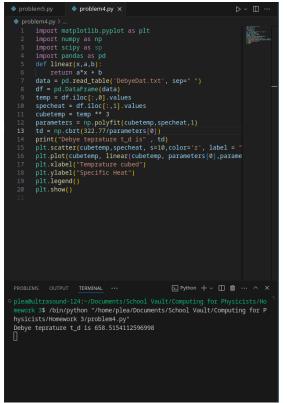
plt.plot(xvals2, linearFunc(xvals2,parameters[0],parameters1plt.ylabel('X axis'')
plt.legend()
plt.show()

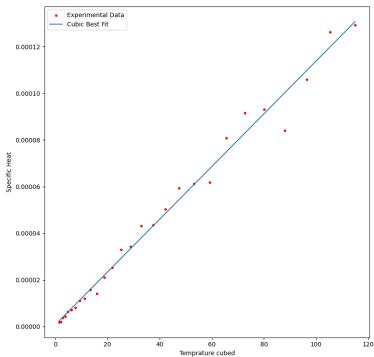
ROBLEMS OUTPUT DEBUGCONSOLE TERMINAL PORTS

plt.ylabel('Y axis'')
plt.slosvalt/Computing for Physicists/Homework 3/proble
3.py"
```



Problem 4





Problem 5

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
/bin/python "/home/plea/Documents/School Vault/Computing for Physicists/Homework 3/problems.py"
3.140972
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
/* Or It is a state of the policy of the provided by the pro
```

