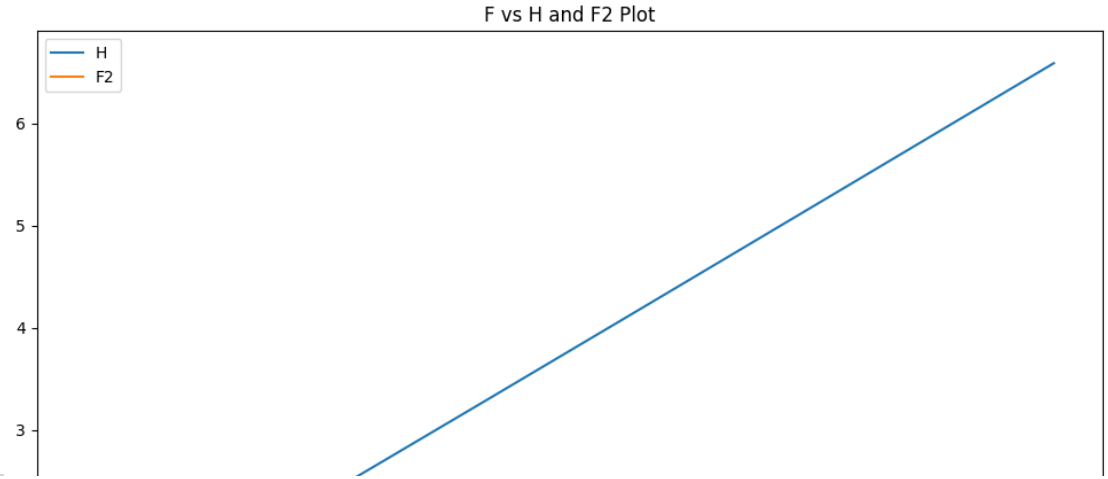
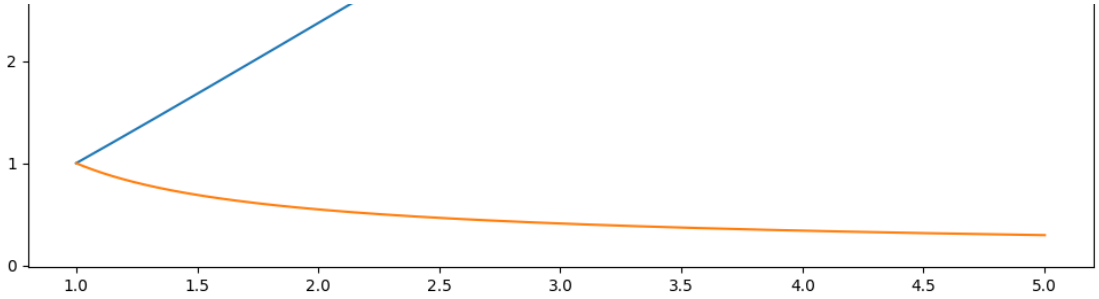
Open in Colab

In [16]:
```
# imports

import matplotlib.pyplot as plt
import numpy as np
```

In [17]:
```
# generate F, H, and F2

F = np.arange(1,5.001,0.001)
# print(F)
H = (np.sqrt(1+8*F**2)-1)/2
# print(H)
F2 = F/(np.sqrt(H)**3)
# print(F2)
```

In [22]:
```
# plot

plt.figure(figsize=(12,8))
plt.plot(F, H, label ='H')
plt.plot(F, F2, label ='F2')
plt.legend()
plt.title("F vs H and F2 Plot")
plt.show()
```




2
1
0
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0