```
# Mengimpoprt Library
import numpy as np
import matplotlib.pyplot as plt
```



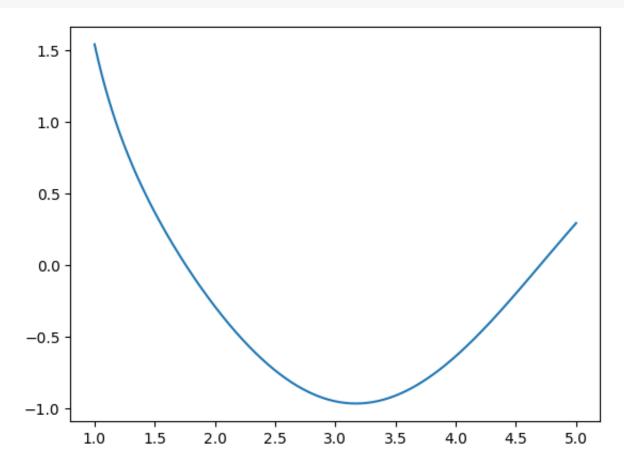
```
#Integral
def func(x):
    return x**-3 + np.cos(x)
a = 1.0
b = 5.0
```

**→ -1.**3203888525573348

```
xp =np.linspace(a,b,1000)
plt.plot(xp,func(xp))
plt.show()
```

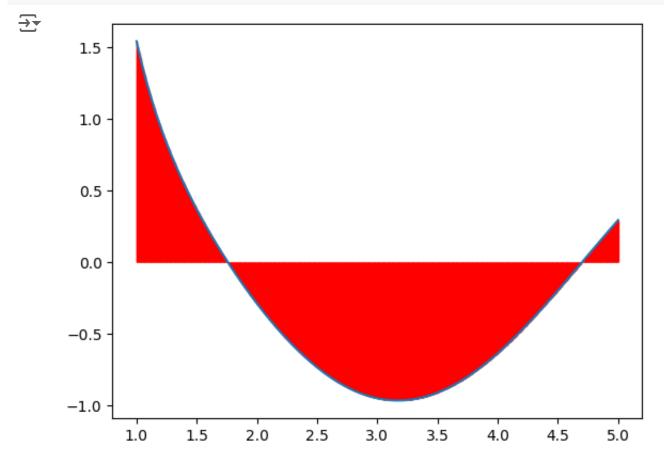






```
xp = np.linspace(a,b,1000)
plt.plot(xp,func(xp))

for i in range (n):
   plt.bar(x[i],func(x[i]), align= 'edge',width= 0.000001, edgecolor='red
plt.show()
```



```
xp =np.linspace(a,b,1000)
plt.plot(xp,func(xp))

for i in range (n):
    plt.bar(x[i],func(x[i]),align='edge',width=0.000001, edgecolor='red'

plt.fill_between(x,func(x),color='yellow',alpha=0.5)
plt.show()
```

