```
import matplotlib.pyplot as plt
import math
```

```
import numpy as np
```

```
x = np.arange(0, math.pi*2, 0.05)
print("18IT092")
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```
y = np.sin(x)
print("18IT092")
```

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```
plt.plot(x,y)
plt.xlabel("angle")
plt.ylabel("sine")
plt.title('sine wave')
print("18IT092")
plt.show()
```

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