```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns
```

1- savol Berilgan datasetdan 2 ta ixtiroiy ustunni tanlab olib (10,9) o'lchamda grafik ko'rinishini hosil qilib uni tahlil qiling

```
df = pd.read_csv("https://raw.githubusercontent.com/anvarnarz/praktikum_datasets/main/merc.csv")
df
```

	model	year	price	transmission	mileage	fuelType	tax	mpg	engineSize
0	SLK	2005	5200	Automatic	63000	Petrol	325	32.1	1.8
1	S Class	2017	34948	Automatic	27000	Hybrid	20	61.4	2.1
2	SL CLASS	2016	49948	Automatic	6200	Petrol	555	28.0	5.5
3	G Class	2016	61948	Automatic	16000	Petrol	325	30.4	4.0
4	G Class	2016	73948	Automatic	4000	Petrol	325	30.1	4.0
...	...	...	...	...	...	...	...	...	...
13114	C Class	2020	35999	Automatic	500	Diesel	145	55.4	2.0
13115	B Class	2020	24699	Automatic	2500	Diesel	145	55.4	2.0

```
plt.figure(figsize=(10,9))
sns.scatterplot(data =df,x='year',y='price')
plt.show()
```

```
#1-savolga javob
```

2- savol 2 ta funksiya hosil qilib ularni grafik ko'rinishda tasvirlab, dars jarayonida aytilgan 10 ta atribut bo'yicha tahrirlang.


```
#2-savolga javob
```

```
x=np.arange(1,20)
x
```

```
array([ 1,  2,  3,  4,  5,  6,  7,  8,  9, 10, 11, 12, 13, 14, 15, 16, 17,
       18, 19])
```

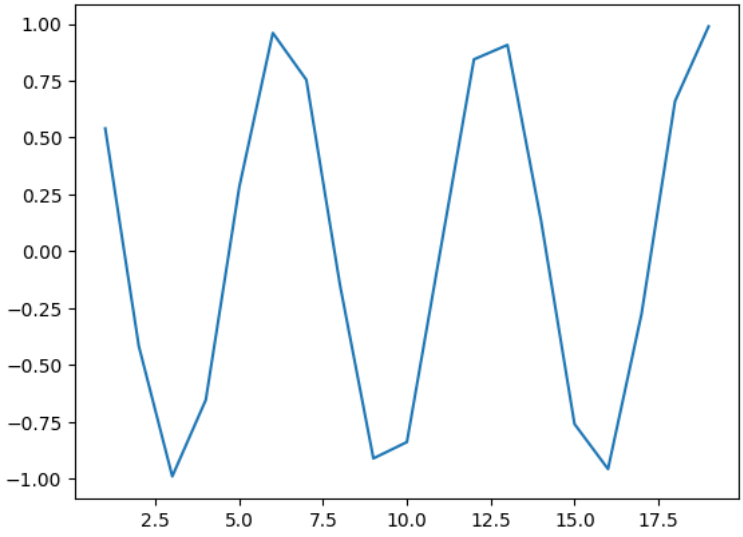
```
y=np.cos(x)
y
```

```
array([ 0.54030231, -0.41614684, -0.9899925 , -0.65364362,  0.28366219,
        0.96017029,  0.75390225, -0.14550003, -0.91113026, -0.83907153,
        0.0044257 ,  0.84385396,  0.90744678,  0.13673722, -0.75968791,
       -0.95765948, -0.27516334,  0.66031671,  0.98870462])
```

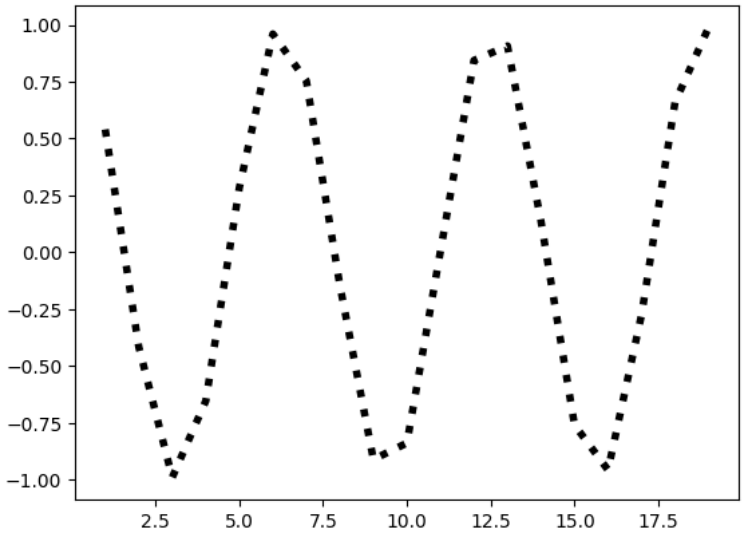
3-savol Hosil bo'lgan datasetni githubdagi profilingizga yuklang

```
#3-savolga javob
```

```
plt.plot(x,y)
plt.show()
```




```
plt.plot(x,y,linewidth=4,color='black',linestyle=':',markersize=10)
plt.show()
```



✓ 0 сек. выполнено в 10:47