```python
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

```python
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 |
| 13116 | GLC Class | 2019 | 30999 | Automatic | 11612 | Diesel | 145 | 41.5 | 2.1 |
| 13117 | CLS Class | 2019 | 37990 | Automatic | 2426 | Diesel | 145 | 45.6 | 2.0 |
| 13118 | S Class | 2019 | 54999 | Automatic | 2075 | Diesel | 145 | 52.3 | 2.9 |

13119 rows × 9 columns

```python
#1-savolga javob
np.arange(1,10)
x=np.arange(0,4*np.pi,0.1)
x
y=np.sin(x)
y
```

```
array([ 0.        ,  0.09983342,  0.19866933,  0.29552021,  0.38941834,
        0.47942554,  0.56464247,  0.64421769,  0.71735609,  0.78332691,
        0.84147098,  0.89120736,  0.93203909,  0.96355819,  0.98544973,
        0.99749499,  0.9995736 ,  0.99166481,  0.97384763,  0.94630009,
        0.90929743,  0.86320937,  0.8084964 ,  0.74570521,  0.67546318,
        0.59847214,  0.51550137,  0.42737988,  0.33498815,  0.23924933,
        0.14112001,  0.04158066, -0.05837414, -0.15774569, -0.2555411 ,
       -0.35078323, -0.44252044, -0.52983614, -0.61185789, -0.68776616,
       -0.7568025 , -0.81827711, -0.87157577, -0.91616594, -0.95160207,
       -0.97753012, -0.993691  , -0.99992326, -0.99616461, -0.98245261,
       -0.95892427, -0.92581468, -0.88345466, -0.83226744, -0.77276449,
       -0.70554033, -0.63126664, -0.55068554, -0.46460218, -0.37387666,
       -0.2794155 , -0.1821625 , -0.0830894 ,  0.0168139 ,  0.1165492 ,
        0.21511999,  0.31154136,  0.40484992,  0.49411335,  0.57843976,
        0.6569866 ,  0.72896904,  0.79366786,  0.85043662,  0.8987081 ,
        0.93799998,  0.96791967,  0.98816823,  0.99854335,  0.99894134,
        0.98935825,  0.96988981,  0.94073056,  0.90217183,  0.85459891,
        0.79848711,  0.7343971 ,  0.66296923,  0.58491719,  0.50102086,
        0.41211849,  0.31909836,  0.22288991,  0.12445442,  0.02477543,
       -0.07515112, -0.17432678, -0.27176063, -0.36647913, -0.45753589,
       -0.54402111, -0.62507065, -0.69987469, -0.76768581, -0.82782647,
       -0.87969576, -0.92277542, -0.95663502, -0.98093623, -0.99543625,
       -0.99999021, -0.99455259, -0.97917773, -0.95401925, -0.91932853,
       -0.87545217, -0.82282859, -0.76198358, -0.69352508, -0.61813711,
       -0.53657292, -0.44964746, -0.35822928, -0.26323179, -0.16560418,
       -0.0663219 ])
```

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

```python
#2-savolga javob
plt.plot(x,y)
plt.show()
```
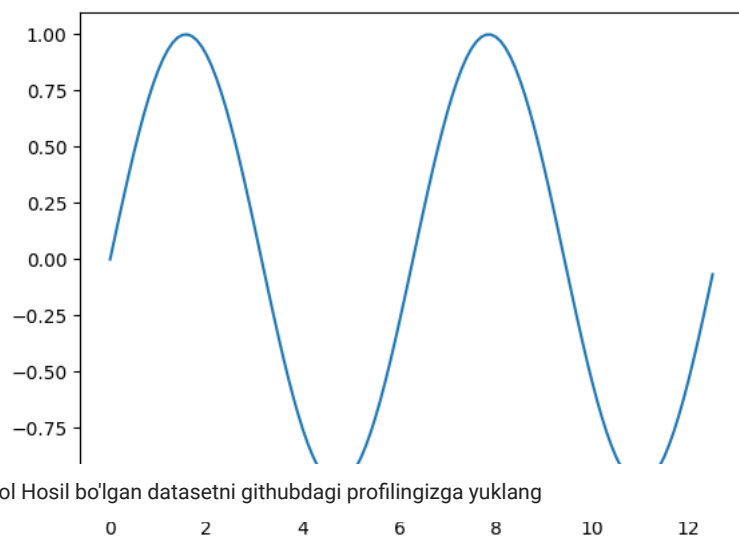
3-savol Hosil bo'lgan datasetni githubdagi profilingizga yuklang

```
#3-savolga javob
```

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