```
Task-01
import numpy as np
z=np.zeros(10)
z=np.ones(10)
z=np.ones(10)*5
z=np.arange(10,51)
z=np.arange(10,51,2)
z=np.arange(9).reshape(3,3)
x=np.eye(3)
z=np.random.rand()
z=np.random.rand(25)
z=np.arange(0.01,1 +0.01, 0.01).reshape(10, 10)
z=np.linspace(0, 1, 20)
```

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```
mat = np.arange(1, 26).reshape(5, 5)
mat
mat[2:,1:]
z=mat[3:4,4:5]
z=mat[0:3,1:2]
z=mat[4:,0:]
z=mat[3:,0:5]
#sum
z=np.sum(mat)
#sd
z=np.std(mat)
z=np.sum(mat, axis=0)
```

outputs:





