```
min of the Housing_median_age is  10
max of the Housing_median_age is  37
```

```
sum of the total_rooms is  20034
mean of the total_rooms is  2862.0
min of the total_rooms is  838
max of the total_rooms is  7357
```

```
sum of the population is  11400
mean of the population is  1628.5714285714287
min of the population is  388
max of the population is  3228
shape of the samples from table is  (3, 8)
```

```
#Problem 2

import tensorflow as tf

(mnist_images_training, _), (mnist_images_test, _) = tf.keras.datasets.mnist.load_data(path

#Task 1

#shape of mnist image training dataset
print(mnist_images_training.shape)

#shape of mnist image test dataset
print(mnist_images_test.shape)


#rank of the array

print("Rank of the mnist_images_training is ",len(mnist_images_training.shape))
print("Rank of the mnist_images_test is ",len(mnist_images_test.shape))

#Task 2

randomImage = mnist_images_training[555]

print("shape of the random image from the mnist traning dataset is ",randomImage.shape)

#Task 3

TenRandomImagesFromMnistTraining = mnist_images_training[555 : 565]
print("shape of the image dataset after slicing technique is applied ", TenRandomImagesFromM
```

```
(60000, 28, 28)
(10000, 28, 28)
Rank of the mnist_images_training is  3
Rank of the mnist_images_test is  3
```