```
Hello world
Sum: 50
Prediction for [0.8, 0] with k=3: 0
Prediction for [0.2, 0.9] with k=3: 1
Prediction for [0.5, 0.5] with k= 1 is: 1
Prediction for [0.5, 0.5] with k= 3 is: 0
Prediction for [0.5, 0.5] with k= 4 is: 1
Prediction for [0.8, 0.2] with k= 1 is: 0
Prediction for [0.8, 0.2] with k= 3 is: 0
Prediction for [0.8, 0.2] with k= 4 is: 0
```











