Assignment-2-Set 3-Q5(Basic Statistic Level -2)

```
import numpy as np
from scipy import stats
In [1]:
          3 from scipy.stats import norm
In [2]:
         1 # Apply one-sample one-tail Z-test
In [7]:
          1 z_scores=(0.046-0.05)/(np.sqrt((0.05*(1-0.05))/2000))
          2 z_scores
Out[7]: -0.820782681668124
In [8]:
          1 # Find probability assuming null hypothesis, so as to compare with Type-1 error \alpha = 0.05
         1 p_value = 1-stats.norm.cdf(abs(z_scores))
In [9]:
          2 p_value
Out[9]: 0.20588503245107104
In [ ]: 1
```