Assignment-2-set-3-Q5

In [1]:

```
import numpy as np
from scipy import stats
from scipy.stats import norm
```

In [2]:

```
# Apply one-Sample one-Tail z-test
```

In [4]:

```
z_scores=(0.046-0.05)/(np.sqrt((0.05*(1-0.05))/2000))
z_scores
```

Out[4]:

```
-0.820782681668124
```

In [5]:

```
# Find Probability assuming null hypothesis, so as to compare with type-1 error a = 0.05
```

In [6]:

```
p_value=1-stats.norm.cdf(abs(z_scores))
p_value
```

Out[6]:

```
0.20588503245107104
```

In [ ]:

```

```