

```

%MCIntegration 2-1
clear;
rand('seed',1);
N = 1000;
meanexp = zeros(1,N);
for i = (1:N)
    meanexp(i) = mean(exp(rand(1,i)+1));
end
exp = exp(1)-1
exp10 = meanexp(10)
exp100 = meanexp(100)
exp1000 = meanexp(1000)
plot(1:N,meanexp);

```

```
>> MCIntrgration
```

```
exp =
```

```
1.7183
```

```
exp10 =
```

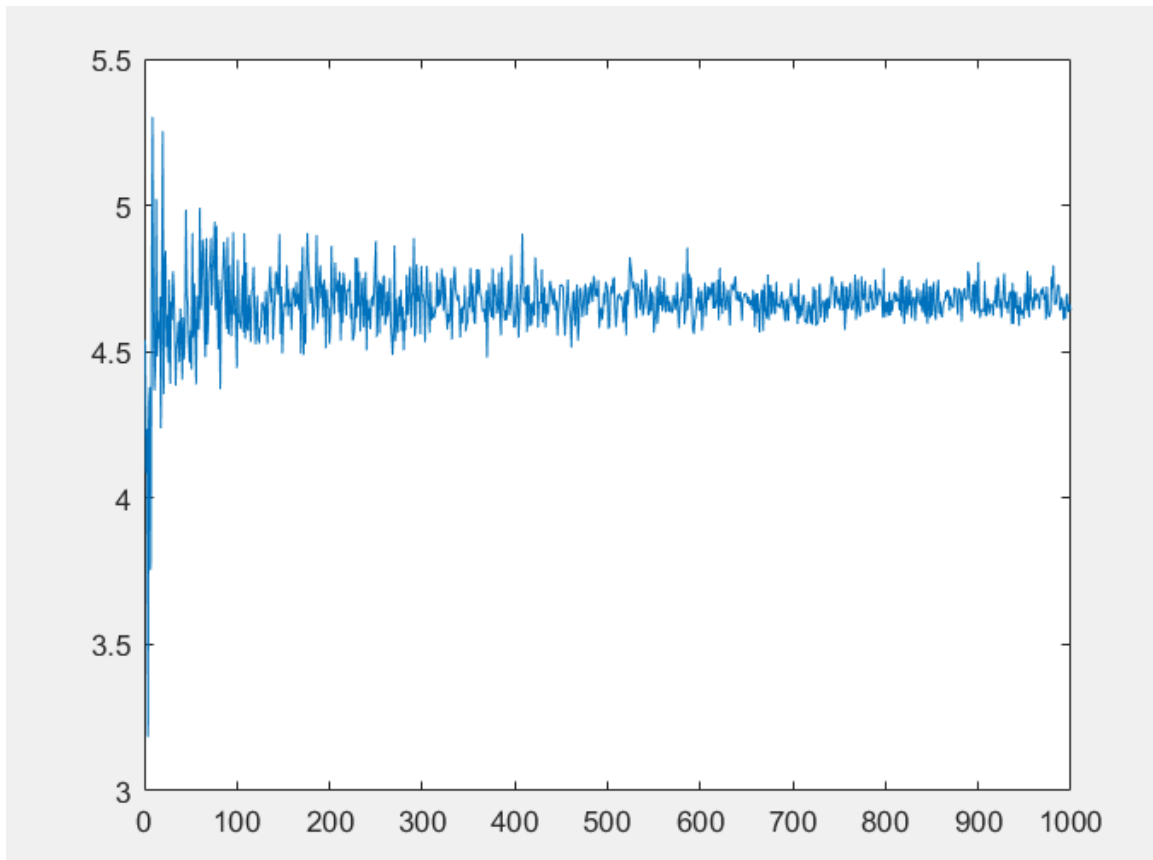
```
4.6426
```

```
exp100 =
```

```
4.4443
```

```
exp1000 =
```

```
4.6406
```



```
%MCIntegration_2
clear;
rand('seed',1);
N = 1000;
meanexp = zeros(1,N);
for i = (1:N)
    meanexp(i) = mean(exp((rand(1,i)*2)))*2;
end
exp = exp(1)-1
exp10 = meanexp(10)
exp100 = meanexp(100)
exp1000 = meanexp(1000)
plot(1:N,meanexp);
```

```
>> MCIntrgration_2
```

```
exp =
```

```
1.7183
```

```
exp10 =
```

```
6.2090
```

```
exp100 =
```

```
5.7726
```

```
exp1000 =
```

```
6.2939
```

```
>>
```

