

ASSIGNMENT # 1

QUESTION 1

CODE:

```
a=[]
Sum=0
counter=0

n=int(input("enter number of times you run around a racetrack:"))
for i in range(n):
    time_of_lap=int(input("enter the lap time for each round:"))
    a.append(time_of_lap)
    Sum+=time_of_lap
    counter+=1
slowest=max(a)
print("slowest lap time",slowest)
fastest=min(a)
print("fastest lap time",fastest)
print("average lap time:",Sum/counter)
```

OUTPUT:

```
enter number of times you run around a racetrack:2
enter the lap time for each round:4
enter the lap time for each round:5
slowest lap time 5
fastest lap time 4
average lap time: 4.5
```

QUESTION 2:**CODE:**

```
month = 0
totalInches = 0
years = int(input("enter the number of years: "))
for i in range (years):
    for j in range(12):
        rainfall = int(input(f"enter the inches of rainfall for the month and for the year: "))
        month+=1
        totalInches +=rainfall
averageRainFall = totalInches/month
print("total number of months: ",month,"months")
print("the total inches of rainfall: ",totalInches ,"inches")
print("the average rainfall per month for the entire period: ",averageRainFall,"inches")
```

OUTPUT:

```
enter the number of years: 1
enter the inches of rainfall for the month and for the year: 1
enter the inches of rainfall for the month and for the year: 2
enter the inches of rainfall for the month and for the year: 3
enter the inches of rainfall for the month and for the year: 4
enter the inches of rainfall for the month and for the year: 5
enter the inches of rainfall for the month and for the year: 6
enter the inches of rainfall for the month and for the year: 7
enter the inches of rainfall for the month and for the year: 8
enter the inches of rainfall for the month and for the year: 9
enter the inches of rainfall for the month and for the year: 10
enter the inches of rainfall for the month and for the year: 1
enter the inches of rainfall for the month and for the year: 2
total number of months:  12 months
the total inches of rainfall:  58 inches
the average rainfall per month for the entire period:  4.833333333333333 inches
```